

SMART EVOLUTION in IP SURVEILLANCE



SMART IP SOLUTION



With hundreds of onsite cameras designed to ensure safety and optimize surveillance, a new challenge arises: how to effectively manage huge video streams and retrieve non-event footage.

How this type of security works

Why Smart IP ?

With hundreds of onsite cameras designed to ensure safety and optimize surveillance, a new challenge arises: how to effectively manage huge video streams and retrieve non-event footage.

Smart IP is the latest concept that brings intelligence, efficiency, and convenience to modern video surveillance. Enriched with Smart technologies, Hikvision's new Smart IP cameras, Smart PTZ Dome cameras, and Smart NVRs are all specifically designed to deliver smart security in the modern marketplace.

Representing this concept is Hikvision's 4-line Smart IP Camera Series. Meeting all bandwidth and storage utilization requirements, this series offers unparalleled image quality and customer convenience. Similarly, Hikvision's Smart PTZ Dome Camera Series features excellent HD, smooth Pan/Tilt/Zoom, and smart tracking functions to ensure the elimination of all blind spots within the camera's area of coverage. At the core of this solution is Hikvision's Smart NVR series. With the ability to connect all Hikvision Smart cameras together, this NVR series simplifies the process even further. Features such as live viewing, recorded video, smart video playback, and event playback/backup are available. In addition to these features, this Smart NVR series is also notable for multi-channel recording, HD video preview, massive storage capacity, and system stability, providing an ideal choice for professional surveillance applications.

Hikvision Smart IP Cameras
Based on Hikvision Smart IP cameras and PTZ, the video streams are "Smart tagged" and then transmitted to NVR.

Hikvision Smart NVRs
With Hikvision Smart IP Solution, one can easily track an illegally-parked vehicle, a specific person's face, vandalism of camera equipment, other accidented events via the Smart Search & Playback feature.

[09:35:24] Face Detection

[12:54:07] Line Crossing Detection

[16:47:56] Intrusion Detection

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6MP Real-time Video

With up to 6 megapixel resolution (3072 x 2048) recording at 30fps, these 4-line Smart IP cameras offer unparalleled image quality and a real-time surveillance experience.



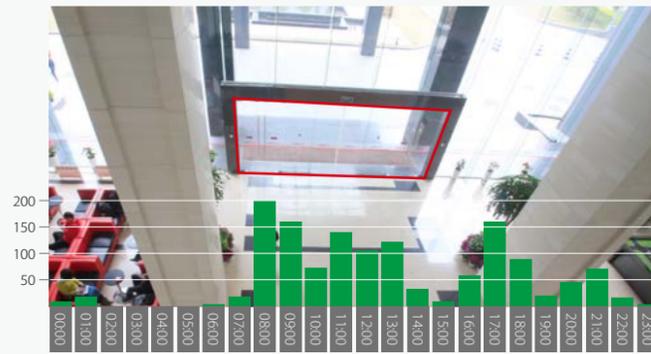
Telephoto Motorized VF lens

Employing an industry-leading optical design, the 4-line Smart IP camera series is equipped with 8~32mm telephoto motorized VF lenses. The advantages include sharp and clear pictures even in low light or at longer focal lengths, consistent aperture at all focal ranges, and a motorized VF lens that supports autofocus ability without the need of manual adjustment.



Line Crossing Detection

This function can detect objects such as persons or vehicles crossing a defined virtual line. It is an ideal solution for monitoring entrances, parking lots or other limited areas.



People Counting

This series supports counting of individuals via a defined area. Additionally, a statistical report is generated to help end users better evaluate their customer flow data and trends.



Anti-erosion Housing

Hikvision's 4-line outdoor IP cameras comes with special painting anti-erosion housing that is resistant to sea salt (customization process required).



Intrusion Detection

In the case of intrusion detection, the 4-line camera simultaneously auto-triggers the alarm and event recording. Applying the latest algorithms, it automatically analyzes the intruder's dimension ratio to reduce false alarms. These features are extremely beneficial for defined area protection.



(1080P, 2Mbps), ROI off

(1080P, 2Mbps), ROI on

ROI Codec

Based on user-defined ROI (Region of Interest), the camera can decrease a non-ROI's image quality to save maximum bandwidth and storage, thereby transmitting data on ROIs more intelligently. The ROI data is therefore able to include greater details and better image quality under the same bit rate streaming conditions.



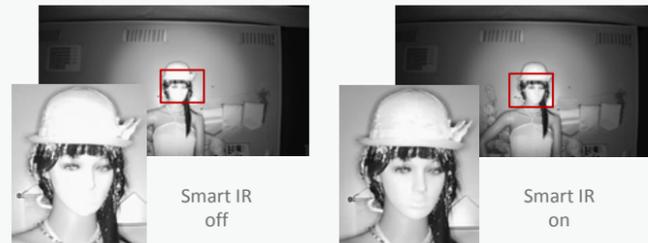
Hikvision 4-Line Smart IP Camera

Conventional IP Camera

Low Stream Latency

Hikvision 4-Line Smart IP cameras greatly decrease the network stream latency for better real-time viewing.

E.g: 140ms at 720p/2M; 160ms at 1080p/4M.

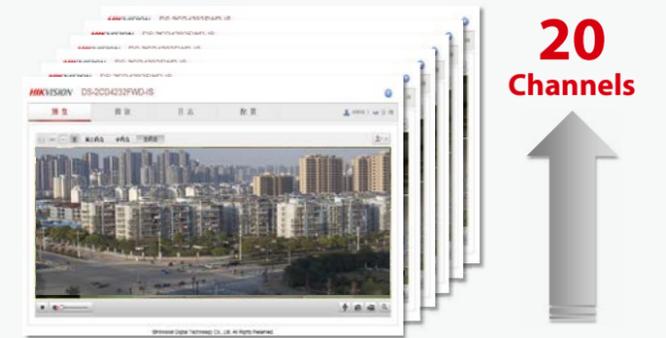


Smart IR off

Smart IR on

Smart IR

The improved Smart IR function allows for adjustment of the IR strength to have better visibility depending on the specific requirement.



Network Access

The 4-line Smart IP camera has a much bigger throughput capability and can support up to 20 simultaneous channels of live viewing.



Rotate Mode

In a vertically-shaped scene such as hallway or corridor, a horizontally-shaped image could result in pixel wastage. With rotate mode, the 4-line smart IP camera maximizes the whole pixel usage.

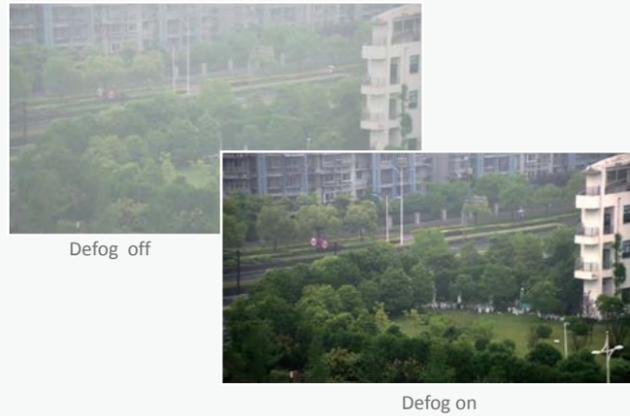


WDR off

WDR on

120dB WDR

With super high dynamic range (120dB), Hikvision's unique WDR technology brings out the camera's powerful light-handling ability in producing crystal-clear images even under extremely strong backlight conditions.



Defog

Through the image correction algorithm, the Defog function improves the whole image's visibility and clarity even in very foggy weather.



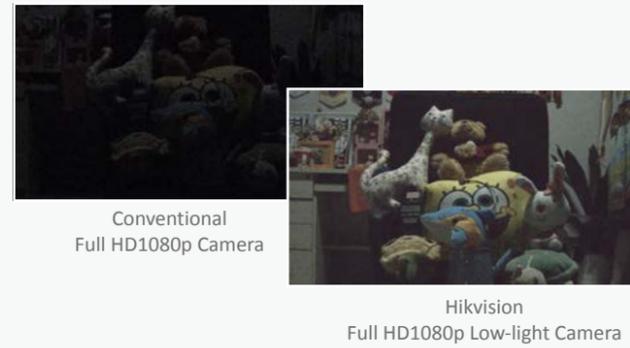
EIS (Electronic Image Stabilization)

EIS technology allows the 4-line camera to negate the blurry effects caused by camera shake and get more stable images.



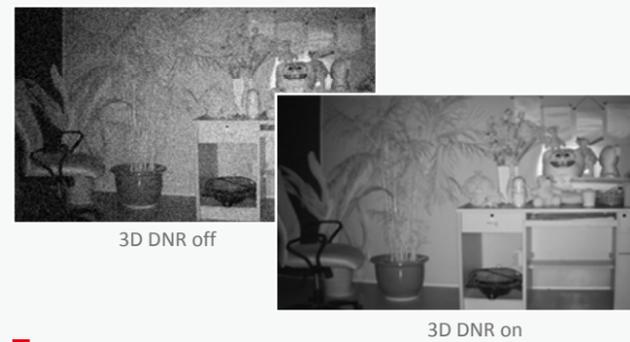
P-Iris

The 4-line Smart IP camera adopts the most advanced iris control technology: P Iris, which keeps an accurate and consistent sharpness and depth of view.



Low-light

The newest generation of Hikvision low-light technology allows excellent visibility even in extremely dim lighting conditions.



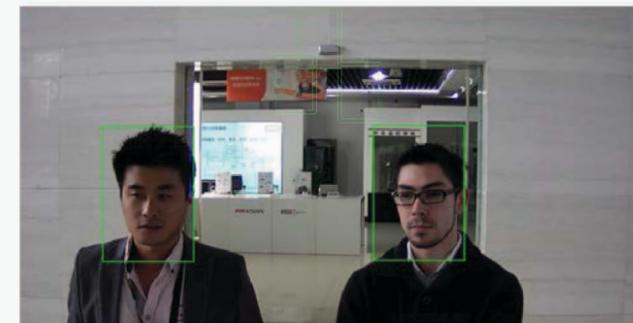
3D DNR

By taking advantage of Hikvision's advanced ISP (Imaging Signal Processing) technology, the Hikvision 4-line camera is able to deliver crystal-clear image quality in low light conditions without an increase in image noise.



Up to 60fps

Certain applications require detailed surveillance, such as cash handling areas. Hikvision's 4-Line Smart IP camera with its high frame rate in HD / Full HD resolution can capture detailed images with supreme image quality.



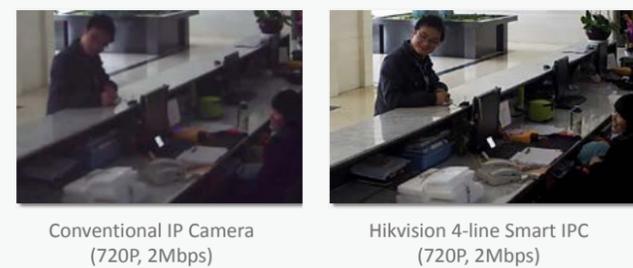
Face Detection

Applying Hikvision's face detection technology, the 4-line network camera can accurately detect human faces, analyze their facial features, and trigger an alarm.



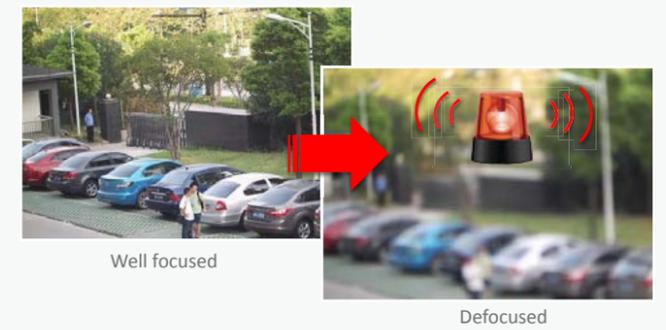
Audio Detection

4-Line Smart IP cameras can detect and analyze ambient sound or any sound surge to trigger an alarm when an unrecognized voice occurs. Furthermore, it can also filter out background noise interference and detect any audio stream exceptions.



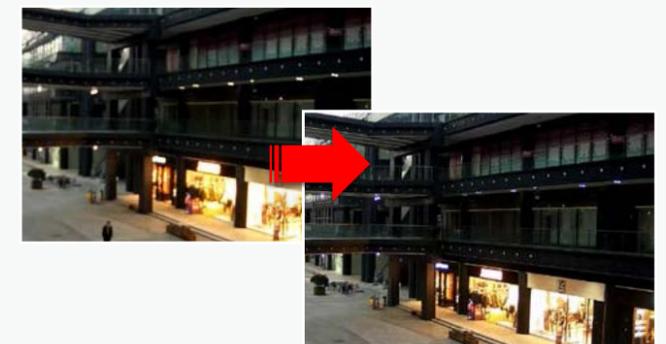
Low Bit Rate

By applying an advanced codec algorithm, Hikvision's 4-line Smart IP camera encodes at maximum efficiency and further minimizes the system's load and storage requirement. For example, at a very low bit rate streaming condition, such as 2Mbps at 720p resolution, the 4-line camera increases the image quality up to 30%.



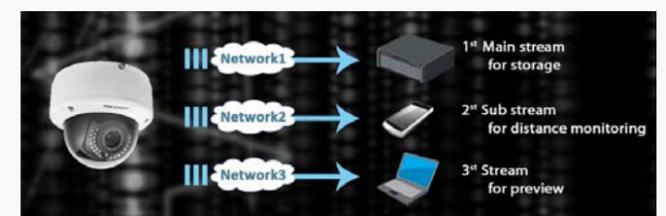
VQD (Video Quality Detection)

The 4-line camera automatically self-diagnoses video quality to detect any issues relating to storage, network connection, lens direction, defocus, or tampering.



ABF (Auto Back Focus)

The Auto Back Focus technology allows the 4-line camera to adjust positioning of the image sensor to obtain optimal focus; this feature can also be accessed via web client.



Triple Streams

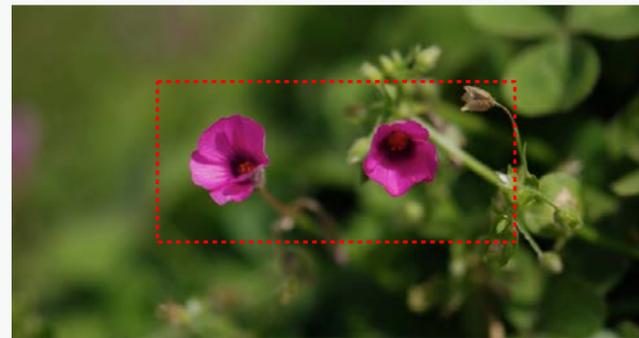
Triple streams give greater flexibility to users by allowing different data streams to be sent simultaneously, and each for independent purposes:

- Main stream: full resolution
- Sub stream: low resolution
- 3rd stream: flexible choice (full, low or dynamic resolution)



IP67

All Hikvision DS-2CD4A IR array bullet series cameras satisfy the IP67 standard: a rating given to outdoor cameras that defines the camera's ability to protect against dust and water.



Smart Auto Focus

By applying Hikvision's advanced optical and mechanical technology, the 4-Line Smart IP cameras boast easier focusing without any need for adjustment in the initial camera setup. Its self-lock function helps resist tampering.



PoE plus / High PoE

The Network PTZ dome cameras support PoE plus or High-PoE power supply to simplify product installation.

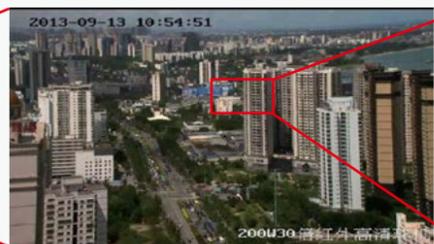


Cooling/Heating

Hikvision PTZ dome cameras have double-layer aluminum housing for better insulation and cooling performance. The cameras also include thermostatic control, which can automatically control the function of heater and fan. Some models can bear up to -40° C to 65° C (-40° F to 149° F).



2MP, overview



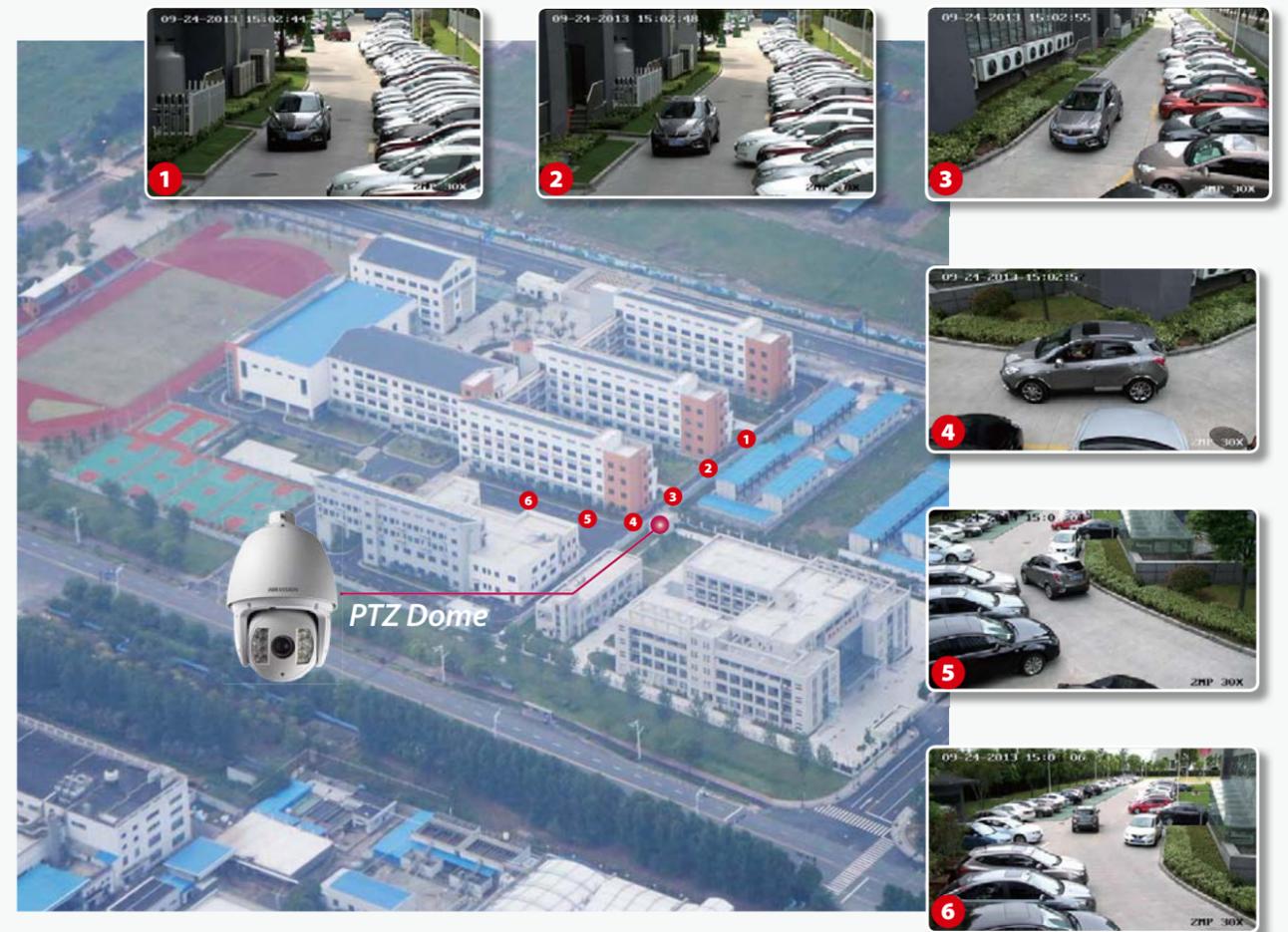
2MP, 8X optical zoom



2MP, 30X optical zoom

Excellent HD

The smart PTZ dome cameras incorporate Hikvision's independent HD camera modules. Based on Hikvision's ISP (Image Signal Processing) technology, the HD camera modules can provide 3MP (2048x1536), 2MP (1920x1080) and 1.3MP (1280x960) real time HD solution, as well as 30x zoom capability to enable a closer view to get more details.



Smart Tracking

The "Smart tracking" function is an innovative technology for PTZ dome cameras. It increases the effectiveness of surveillance systems in places where the occasional presence of people or vehicles requires special attention after working hours, such as at bank vaults, hotel corridors, parking garages, office buildings and schools.

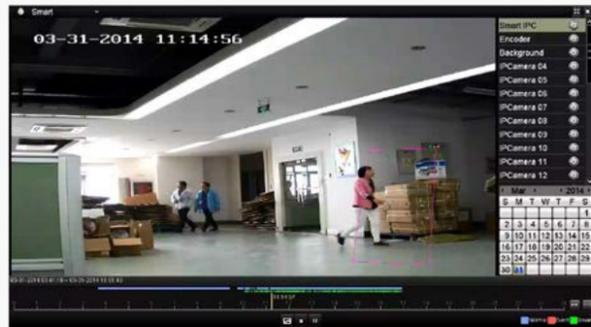
With this function, when a moving object (a person, vehicle, etc.) enters a monitored area, Hikvision PTZ dome cameras automatically detect it and adjust their focal length to track the object. When this object moves out of view, the camera will automatically return to its designated position. Additionally, when users want to change the target during tracking, they need to simply click the new target in the view screen, and the camera will change to track it. Hikvision "smart tracking" PTZ dome cameras also offer target contour discriminant and human face detection technology that ensures the target always stays in the middle of the picture during tracking.

The "smart tracking" feature realizes the goal of an unmanned video surveillance system, and offers a single PTZ dome camera the ability to cover a wider range of area for more comprehensive information. This helps the user decrease the number of cameras and ultimately save money.



Third-party Integration

All Hikvision network cameras support standard protocols such as ONVIF, CGI and PSIA, as well as third-party VMS software such as NUUO, Milestone, Genetec, exaccVision, and more.



Smart Playback

These Smart NVRs use Smart technology to increase playback efficiency and play video footage at different speeds: both normal and 16x. Additionally, Hikvision's Smart NVR series makes searching through recorded data a far more efficient endeavor with 3 different video search criteria: traversing virtual plain, intrusion detection, and motion detection.



Video Quality Diagnosis

This Hikvision Smart NVR series can automatically self-diagnose to detect any issues relating to blurred image, abnormal brightness, et cetera.

iVMS-5200 Pro

Now with more options to manage your on-site surveillance, iVMS-5200 Pro is the intelligent Video Management System choice for an easy-to-use, highly reliable, and feature-rich customer platform. Providing security management, centralized alarm control, video analytics, and open integration, iVMS-5200 Pro easily adapts to the global demand for better and more robust security.

- Multiple third-party IP cameras supported
- Integration with access control, building management, and other systems
- Intuitive GUI
- Free DDNS and customizable service
- Multiple storage and database solutions
- Low ownership cost



Event Playback Video

Event playback video effortlessly detects and views notable security events. Video search criteria includes: alarm input, motion detection, and VCA (video content analysis) events. Concurrently, the VCA search criteria includes facial detection, audio detection, intrusion detection, and traversing virtual plain, among others.



Event Backup Video

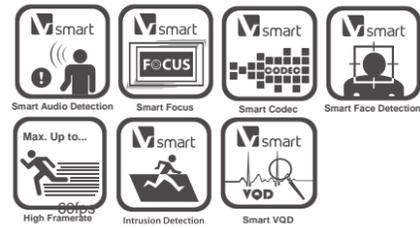
Event backup provides additional customer protection by easily locating noteworthy events via a similarly specified criteria method. This includes options such as alarm input, motion detection, and VCA events.



SMART IP SOLUTION

DS-2CD4012F-(A)(P)

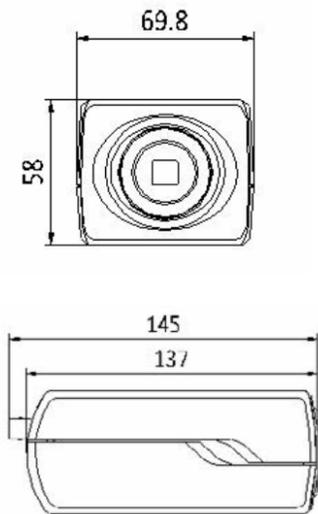
1.3MP Low-light Box Camera



Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)
- People Counting

Dimension (unit: mm)



Available Models

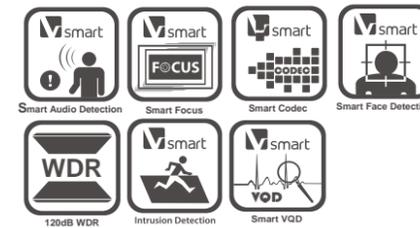
DS-2CD4012F, DS-2CD4012F-A, DS-2CD4012F-AP

* -A: Auto Back Focus
* -P: P-Iris

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | Color: 0.01 lux@F1.2, AGC on B/W: 0.001 lux@F1.2, AGC on |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens mount | C/CS mount |
| Auto iris | DC drive (-P: P-Iris) |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Smart Focus | Auto Back Focus *only for -A model |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1280 x 1024 |
| Frame rate | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| Backlight compensation | Yes, zone configurable |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, face detection, motion detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| Reset | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 24 VAC± 10%, 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W (max. 9W with ICR on) -W: max. 7W (max. 10W with ICR on) |
| Dimensions | 69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70") |
| Weight | 830g (1.83 lbs) |

DS-2CD4012FWD-(A)(P)

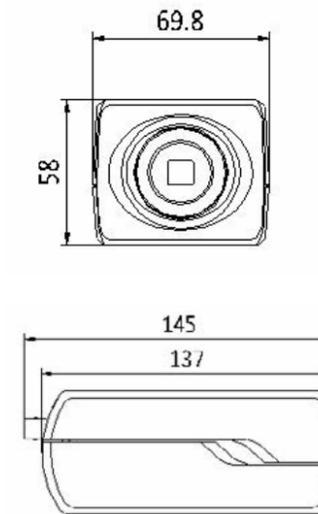
1.3MP WDR Box Camera



Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)
- People Counting

Dimension (unit: mm)



Available Models

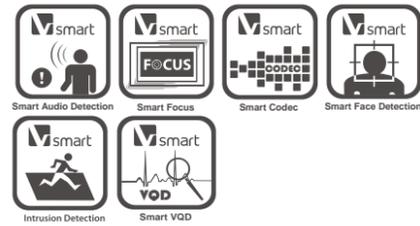
DS-2CD4012FWD, DS-2CD4012FWD-A, DS-2CD4012FWD-AP

* -A: Auto Back Focus
* -P: P-Iris

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | Color: 0.01 lux@F1.2, AGC on B/W: 0.001 lux@F1.2, AGC on |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens mount | C/CS mount |
| Auto iris | DC drive (-P: P-Iris) |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Smart Focus | Auto Back Focus *only for -A model |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1280 x 960 |
| Frame rate | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| Defog | Yes |
| EIS | Yes |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| Reset | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W (max. 9W with ICR on) -W: max. 7W (max. 10W with ICR on) |
| Dimensions | 69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70") |
| Weight | 830g (1.83 lbs) |

DS-2CD4024F-(A)(P)

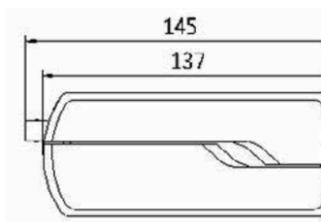
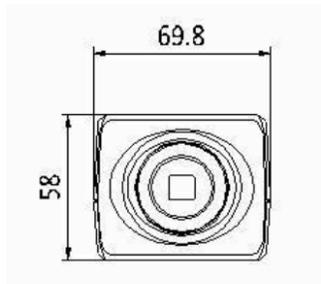
2MP Full HD Box Camera



Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)
- People Counting

Dimension (unit: mm)



Available Models

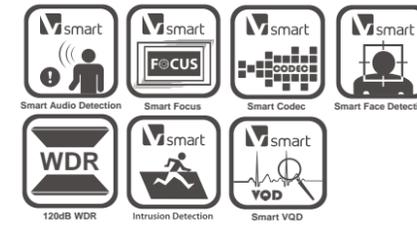
DS-2CD4024F, DS-2CD4024F-A, DS-2CD4024F-AP

* -A: Auto Back Focus
* -P: P-Iris

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" progressive scan CMOS |
| Min. illumination | Color: 0.02 lux@F1.2, AGC on B/W: 0.005 lux@F1.2, AGC on |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens mount | C/CS mount |
| Auto iris | DC drive (-P; P-Iris) |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Smart Focus | Auto Back Focus *only for -A model |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1920 x 1080 |
| Frame rate | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
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| Audio output | 1-ch 3.5mm audio interface |
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| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| Reset | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W (max. 9W with ICR on) -W: max. 7W (max. 10W with ICR on) |
| Dimensions | 69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70") |
| Weight | 830g (1.83 lbs) |

DS-2CD4032FWD-(A)(P)

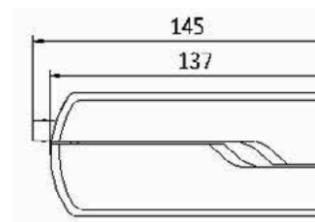
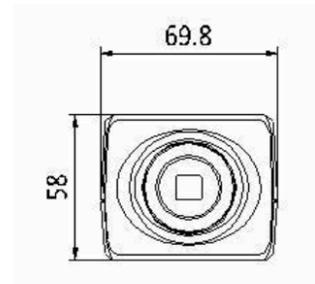
3MP WDR Box Camera



Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)
- People Counting

Dimension (unit: mm)



Available Models

DS-2CD4032FWD, DS-2CD4032FWD-A, DS-2CD4032FWD-AP

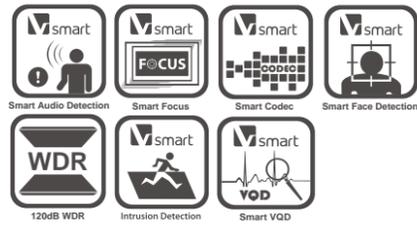
* -A: Auto Back Focus
* -P: P-Iris

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | Color: 0.1 lux@F1.2, AGC on B/W: 0.01 lux@F1.2, AGC on |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens mount | C/CS mount |
| Auto iris | DC drive (-P; P-Iris) |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Smart Focus | Auto Back Focus *only for -A model |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 2048 x 1536 |
| Frame rate | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| Defog | Yes |
| EIS | Yes |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| Reset | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F) humidity 95% or less (non-condensing) |
| Power supply | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6.5W (max. 9.5W with ICR on) -W: max. 7W (max. 10W with ICR on) |
| Dimensions | 69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70") |
| Weight | 830g (1.83 lbs) |

DS-2CD4065F-(A)

6MP Smart IP Box Camera

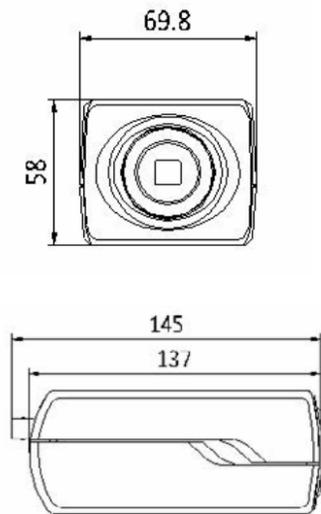
NEW



Key features

- Up to 3072x2048 resolution
- Super Digital WDR
- Auto Back Focus optional (-A)
- Smart Face Detection
- Intrusion Detection
- Smart Codec
- Triple Streams
- On-board Storage, up to 64GB
- Defog
- People Counting

Dimension (unit: mm)



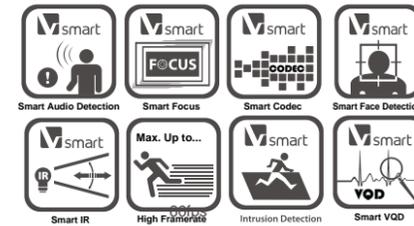
Available Models

DS-2CD4065F
DS-2CD4065F-A

| Camera | |
|---------------------------|--|
| Image sensor | 1/1.8" Progressive Scan CMOS |
| Min. illumination | Color: 0.02 Lux @ (F1.2, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON) |
| Shutter time | 1/3 s to 1/100,000 s |
| Slow shutter | Support |
| Lens mount | C/CS mount |
| Auto-iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | Support |
| Focus | ABF(-A model) |
| Compression standard | |
| Video compression | H.264 / MJPEG |
| H.264 compression profile | Baseline Profile / Main Profile / High Profile |
| Bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726) / 32~128Kbps(MP2L2) |
| Image | |
| Max. image resolution | 3072 x 2048 |
| Frame rate | 50Hz: 25fps @ 3072 x 2048, 2560 x 2048, 2560 x 1920, 2048 x 1536, 1920 x 1080, 1280 x 720 60Hz: 30fps @ 3072 x 2048, 2560 x 2048, 2560 x 1920, 2048 x 1536, 1920 x 1080, 1280 x 720 |
| Third stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps @ 1280 x 720 ; 60Hz: 30fps @ 1280 x 720 |
| BLC | Support |
| Smart defog | Support |
| EIS | Support |
| Image setting | Saturation, Brightness, Contrast adjustable by client software or web browser |
| Day/Night switch | Auto / Schedule / Triggered by Alarm In |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour(SIP optional) |
| Security | User Authentication, Watermark, IP address filtering, Anonymous access |
| Standard | ONVIF, PSIA, CGI, ISAPI |
| Interface | |
| Audio input | 1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone |
| Audio output | 1-ch 3.5 mm audio interface |
| Communication interface | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface |
| Alarm input | 1 |
| Alarm output | 1 |
| Video output | 1Vp-p composite output (75 Ω/BNC) |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Reset button | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F) humidity 95% or less (non-condensing) |
| Power supply | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6.5 W (Max. 9.5 W with IR cut filter on) |
| Dimensions (mm) | 69.8x58x145 mm (2.68" x 2.56" x 5.70") |
| Weight | 830 g (1.83 lbs) |

DS-2CD4112F-I(Z)

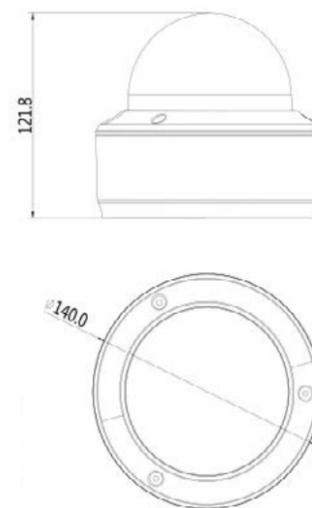
1.3MP Low-light Indoor Dome Network Camera



Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog
- People Counting

Dimension (unit: mm)



Available Models

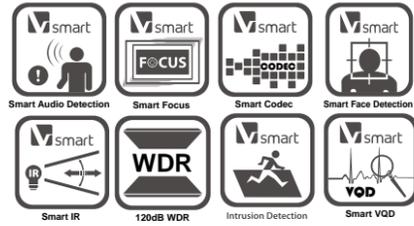
DS-2CD4112F-I, DS-2CD4112F-I-Z

* -Z: Motorized VF lens

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle Adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1280 x 1024 |
| Frame rate | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W Max. 9W (IR on: 2W, Motorized VF lens: 1W) |
| IR range | Up to 30m |
| Impact protection | IEC60068-275Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 140 x 121.8 mm (Φ 5.51" x 4.80") |
| Weight | 1400 g (3.09 lbs) |

DS-2CD4112FWD-I(Z)

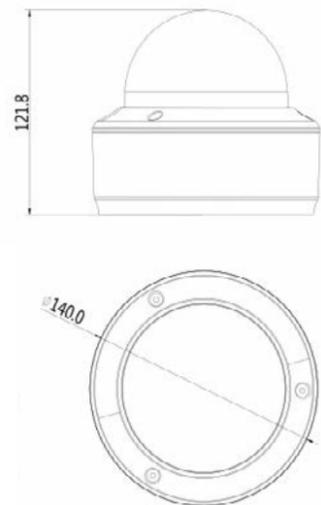
1.3MP WDR Indoor Dome Network Camera



Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog
- People Counting

Dimension (unit: mm)



Available Models

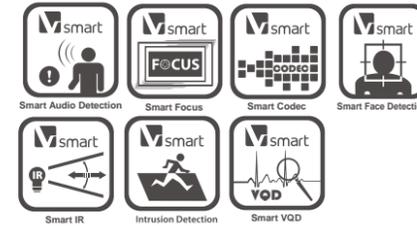
DS-2CD4112FWD-I, DS-2CD4112FWD-I-Z

* -Z: Motorized VF lens

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle Adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1280 x 960 |
| Frame rate | 50 Hz: 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W Max. 9W (IR on: 2W, Motorized VF lens: 1W) |
| IR range | Up to 30m |
| Impact protection | IEC60068-275Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 140 x 121.8 mm (Φ 5.51" x 4.80") |
| Weight | 1400 g (3.09 lbs) |

DS-2CD4124F-I(Z)

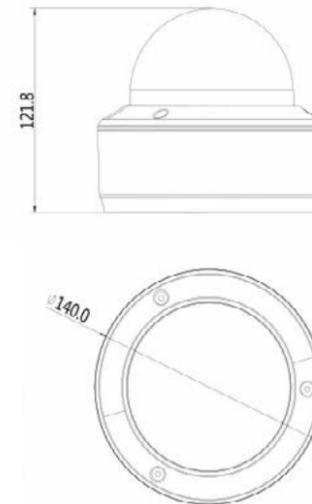
2MP Full HD Indoor Dome Network Camera



Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog
- People Counting

Dimension (unit: mm)



Available Models

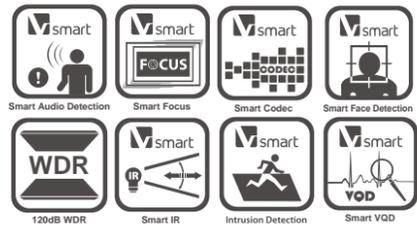
DS-2CD4124F-I, DS-2CD4124F-I-Z

* -Z: Motorized VF lens

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle Adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 1920 x 1080 |
| Frame rate | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6W Max. 9W (IR on: 2W, Motorized VF lens: 1W) |
| IR range | Up to 30m |
| Impact protection | IEC60068-275Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 140 x 121.8 mm (Φ 5.51" x 4.80") |
| Weight | 1400 g (3.09 lbs) |

DS-2CD4132FWD-I(Z)

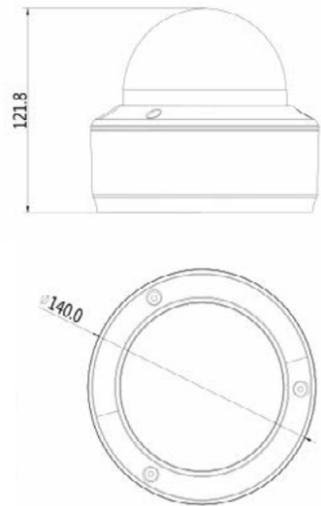
3MP WDR Indoor Dome Network Camera



Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog
- People Counting

Dimension (unit: mm)



Available Models

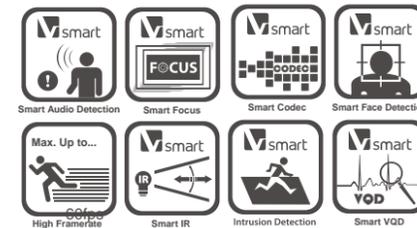
DS-2CD4132FWD-I, DS-2CD4132FWD-I-Z

* -Z: Motorized VF lens

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle Adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) |
| Image | |
| Max. resolution | 2048 x 1536 |
| Frame rate | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Audio input | 1-ch 3.5mm audio interface, Mic in/Line in |
| Audio output | 1-ch 3.5mm audio interface |
| Communication interface | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface |
| Alarm I/O | 1/1 |
| Video output | 1 Vp-p composite output (75 Ω / BNC) |
| On-board storage | Built-in micro SD/SDHC/SDXC card slot, up to 64GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 6.5W Max. 9.5W (IR on: 2W, Motorized VF lens: 1W) |
| IR range | Up to 30m |
| Impact protection | IEC60068-275Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 140 x 121.8 mm (Φ 5.51" x 4.80") |
| Weight | 1400 g (3.09 lbs) |

DS-2CD4212F-I(Z)(S)(H)

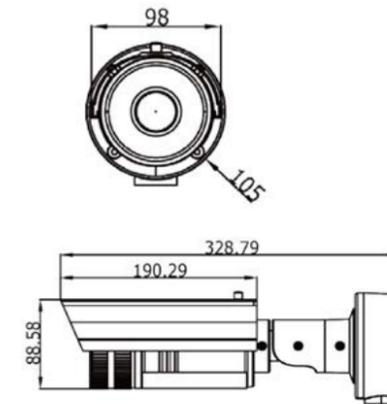
1.3MP Low-light IR Bullet Network Camera



Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

DS-2CD4212F-I, DS-2CD4212F-IS
DS-2CD4212F-I-Z, DS-2CD4212F-I-ZS
DS-2CD4212F-I-ZH, DS-2CD4212F-I-ZHS

* -Z: Motorized VF lens

* -S: 1-ch audio I/O,

1-ch alarm I/O

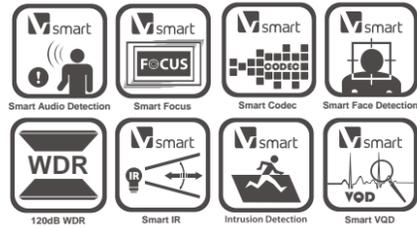
1-ch RS-485 interface

* -H: Smart Heater

| Camera | |
|-------------------------|---|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) * 8~20mm @F1.6 lens (optional), angle of view: 35.5° ~14.7° |
| Lens mount | Φ14 |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1280 x 1024 |
| Frame rate | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Reset button | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~140°F) , with smart heater on |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 11W -Z/-H: Max. 12W |
| IR range | Up to 30m Up to 80m with 8~20m VF lens |
| Ingress protection | IP66 |
| Dimensions | 98 x 105 x 328.8 mm |
| Weight | 1700 g (3.75 lbs) |

DS-2CD4212FWD-I(Z)(S)(H)

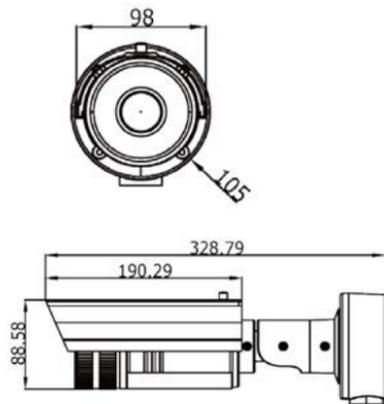
1.3MP WDR IR Bullet Network Camera



Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

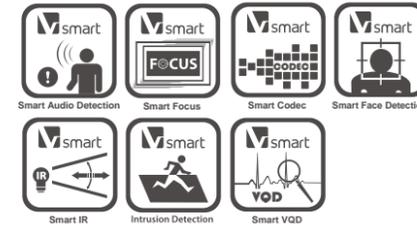
DS-2CD4212FWD-I, DS-2CD4212FWD-IS
 DS-2CD4212FWD-IZ, DS-2CD4212FWD-IZS
 DS-2CD4212FWD-IZH, DS-2CD4212FWD-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O,
- 1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) * 8~20mm @F1.6 lens (optional), angle of view: 35.5° ~14.7° |
| Lens mount | Φ14 |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1280 x 960 |
| Frame rate | 50 Hz: 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection,, line crossing detection Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| On-board storage | Micro SD/SDXC card slot, max. 64GB |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Reset button | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~140°F), with smart heater on |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 11W -Z/-H: Max. 12W |
| IR range | Up to 30m Up to 80m with 8~20m VF lens |
| Ingress protection | IP66 |
| Dimensions | 98 x 105 x 328.8 mm |
| Weight | 1700 g (3.75 lbs) |

DS-2CD4224F-I(Z)(S)(H)

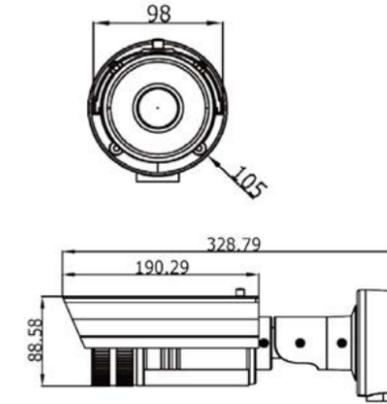
2MP Full HD IR Bullet Network Camera



Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

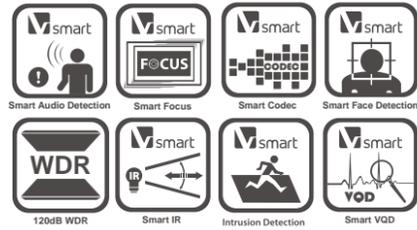
DS-2CD4224F-I, DS-2CD4224F-IS
 DS-2CD4224F-IZ, DS-2CD4224F-IZS
 DS-2CD4224F-IZH, DS-2CD4224F-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
- 1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" progressive scan CMOS |
| Min. illumination | 0.02 lux@F1.2, AGC on, 0.027 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens) * 8~20mm @F1.6 lens (optional), angle of view: 40° ~16.5° |
| Lens mount | Φ14 |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1920 x 1080 |
| Frame rate | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Reset button | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~140°F), with smart heater on |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 11W -Z/-H: Max. 12W |
| IR range | Up to 30m Up to 80m with 8~20m VF lens |
| Ingress protection | IP66 |
| Dimensions | 98 x 105 x 328.8 mm |
| Weight | 1700 g (3.75 lbs) |

DS-2CD4232FWD-I(Z)(S)(H)

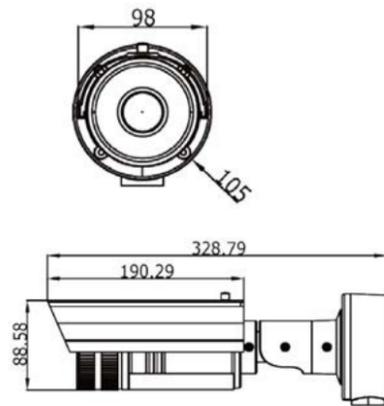
3MP WDR IR Bullet Network Camera



Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

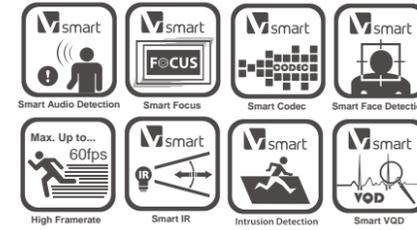
DS-2CD4232FWD-I, DS-2CD4232FWD-IS
 DS-2CD4232FWD-IZ, DS-2CD4232FWD-IZS
 DS-2CD4232FWD-IZH, DS-2CD4232FWD-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens) * 8~20mm @F1.6 lens (optional), angle of view: 33.2° ~ 13.8° |
| Lens mount | Φ14 |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 2048 x 1536 |
| Frame rate | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Reset button | Yes |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on |
| Power supply | 12 VDC ± 10%, PoE (802.3af) |
| Power consumption | Max. 11.5W -Z/-H: Max. 12.5W |
| IR range | Up to 30m Up to 80m IR with 8~20m VF lens |
| Ingress protection | IP66 |
| Dimensions | 98 x 105 x 328.8 mm |
| Weight | 1700 g (3.75 lbs) |

DS-2CD4312F-I(Z)(S)(H)

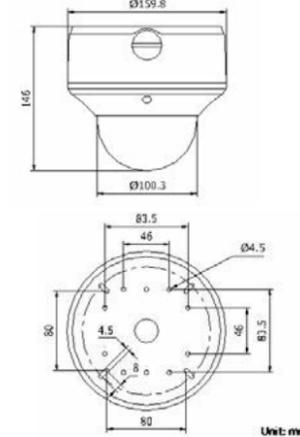
1.3MP Low-light Outdoor Dome Network Camera



Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

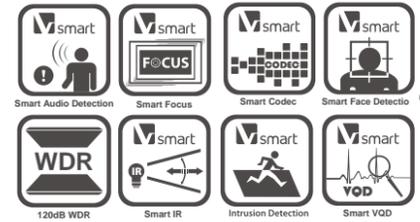
DS-2CD4312F-I, DS-2CD4312F-IS
 DS-2CD4312F-IZ, DS-2CD4312F-IZS
 DS-2CD4312F-IZH, DS-2CD4312F-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1280 x 1024 |
| Frame rate | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| Video Output | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation) |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on |
| Power supply | 24 VAC ± 10%, PoE (802.3af) |
| Power consumption | Max. 12W -Z/-H: Max. 13W |
| IR range | Up to 30m |
| Ingress protection | IP66 |
| Impact protection | IEC60068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 159.8 x 146 mm (Φ 6.29" x 5.75") |
| Weight | 2100 g (4.62 lbs) |

DS-2CD4312FWD-I(Z)(S)(H)

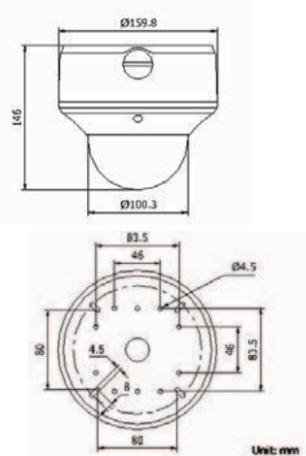
1.3MP WDR Outdoor Dome Network Camera



Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

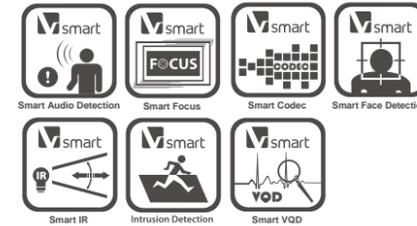
- DS-2CD4312FWD-I, DS-2CD4312FWD-IS
- DS-2CD4312FWD-IZ, DS-2CD4312FWD-IZS
- DS-2CD4312FWD-IZH, DS-2CD4312FWD-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1280 x 960 |
| Frame rate | 50 Hz: 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| Video Output | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation) |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on |
| Power supply | 24 VAC ± 10%, PoE (802.3af) |
| Power consumption | Max. 12W -Z/-H: Max. 13W |
| IR range | Up to 30m |
| Ingress protection | IP66 |
| Impact protection | IEC60068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 159.8 x 146 mm (Φ 6.29" x 5.75") |
| Weight | 2100 g (4.62 lbs) |

DS-2CD4324F-I(Z)(S)(H)

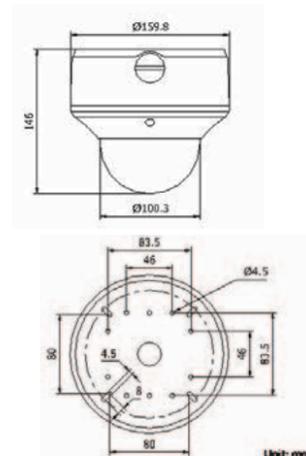
2MP Full HD Outdoor Dome Network Camera



Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

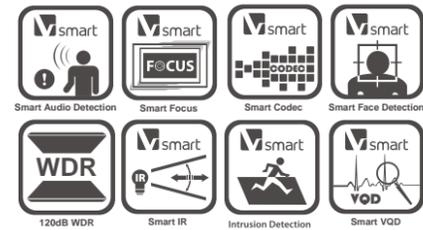
- DS-2CD4324F-I, DS-2CD4324F-IS
- DS-2CD4324F-IZ, DS-2CD4324F-IZS
- DS-2CD4324F-IZH, DS-2CD4324F-IZHS

- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" progressive scan CMOS |
| Min. illumination | 0.02 lux@F1.2, AGC on, 0.027 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | DWDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 1920 x 1080 |
| Frame rate | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| HLC | Yes |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| Video Output | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation) |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) -H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on |
| Power supply | 24 VAC ± 10%, PoE (802.3af) |
| Power consumption | Max. 12W -Z/-H: Max. 13W |
| IR range | Up to 30m |
| Ingress protection | IP66 |
| Impact protection | IEC60068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 159.8 x 146 mm (Φ 6.29" x 5.75") |
| Weight | 2100 g (4.62 lbs) |

DS-2CD4332FWD-I(Z)(S)(H)

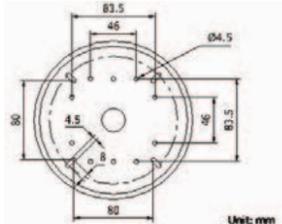
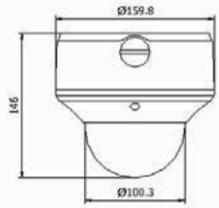
3MP WDR Outdoor Dome Network Camera



Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan
- Defog
- 8~32mm Motorized VF lens optional
- People Counting

Dimension (unit: mm)



Available Models

DS-2CD4332FWD-I, DS-2CD4332FWD-IS
 DS-2CD4332FWD-IZ, DS-2CD4332FWD-IZS
 DS-2CD4332FWD-IZH, DS-2CD4332FWD-IZHS

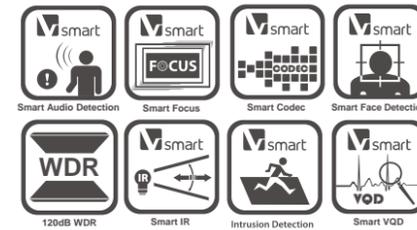
- * -Z: Motorized VF lens
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/3" progressive scan CMOS |
| Min. illumination | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens) |
| Lens mount | Φ14 |
| Angle adjustment | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355° |
| Auto iris | DC drive |
| Day & night | ICR (Auto/Schedule/Alarm Trigger) |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB WDR |
| Compression standard | |
| Video compression | H.264 / MPEG4 / MJPEG |
| H.264 codec profile | Baseline profile / main profile / high profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711 / G.726 / MP2L2 *only for -S model |
| Audio bit rate | 64Kbps (G.711) / 16Kbps (G.726) *only for -S model |
| Image | |
| Max. resolution | 2048 x 1536 |
| Frame rate | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) |
| 3rd stream | Independent setting, up to: 50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Yes, zone configurable |
| Defog | Yes |
| EIS | Yes |
| Picture overlay | 128 x 128, BMP 24bit, zone configurable |
| ROI | Yes, up to 4 configurable areas for each of 3 streams |
| Network | |
| Network storage | NAS |
| Alarm trigger | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional) |
| Security | User authentication, watermark, IP address filtering, anonymous access, reset |
| System compatibility | ONVIF, PSIA, CGI |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB |
| Interface | |
| Communication interface | 1 RJ45 10M / 100M ethernet port |
| Video Output | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation) |
| On-board storage | Micro SD/SDXC card slot, up to 64GB |
| General | |
| Operating conditions | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing) +H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on |
| Power supply | 24 VAC ± 10%, PoE (802.3af) |
| Power consumption | Max. 12W -Z/-H: Max. 13W |
| IR range | Up to 30m |
| Ingress protection | IP66 |
| Impact protection | IEC60068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ 159.8 x 146 mm (Φ 6.29" x 5.75") |
| Weight | 2100 g (4.62 lbs) |

NEW

DS-2CD4525FWD-IZ(H)(S)

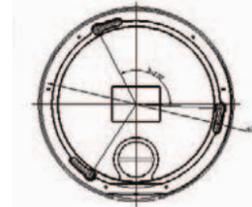
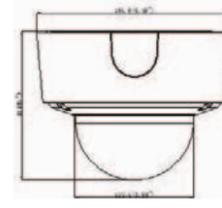
2.3MP WDR Outdoor Dome Network Camera



Key features

- Up to 1920 x 1200 high resolution
- Full HD1080p video, up to 60fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

Dimension (unit: mm)



Available Models

DS-2CD4525FWD-IZ, DS-2CD4525FWD-IZH
 DS-2CD4525FWD-IZS, DS-2CD4525FWD-IZHS

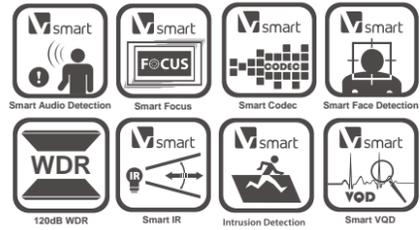
- * -S: 1-ch audio I/O,
1-ch alarm I/O ,
1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.02 Lux @(F1.2,AGC ON), 0 Lux with IR 0.027 Lux @(F1.4,AGC ON), 0 Lux with IR |
| Shutter time | 1 s to 1/100,000 s |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.6 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264 / MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 1920 x 1200 |
| Frame rate | 50Hz: 50fps(1920 x 1200)/(1920 x 1080)/(1280 x 960)/(1280 x 720) 60Hz: 60fps(1920 x 1200)/(1920 x 1080)/(1280 x 960)/(1280 x 720) |
| BLC | Support, zone optional |
| Defog | Support |
| EIS | Support |
| Day/Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| Communication Interface | 1 RJ45 10M/100M Ethernet interface |
| General | |
| Operating conditions | -30 °C ~ 60 °C ; Humidity 95% or less (non-condensing) +H: -40 °C ~ 60 °C |
| Power supply | 12V DC/24 V AC ± 10%, PoE (802.3af) |
| Power consumption | +H: 12W Max: 11W |
| IR range | Up to 30m |
| Protection Level | IP66 |
| Impact protection | IEC60068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ164.9 x 127 mm(Φ6.49" x 5") |
| Weight | 2100g (4.62 lbs) |

DS-2CD4535F-IZ(H)(S)

3MP Outdoor IR Dome Network Camera

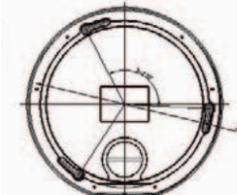
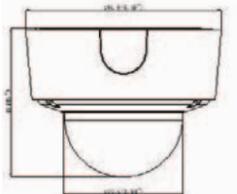
NEW



Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video, up to 50fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

Dimension (unit: mm)



Available Models

DS-2CD4535F-IZ, DS-2CD4535F-IZH
DS-2CD4535F-IZS, DS-2CD4535F-IZHS

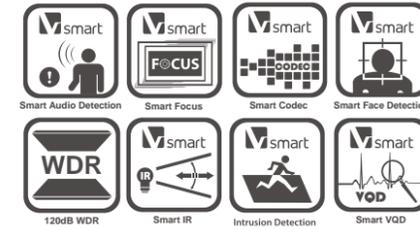
- * -S: 1-ch audio I/O,
- 1-ch alarm I/O,
- 1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.02 Lux @(F1.2,AGC ON), 0 Lux with IR 0.027 Lux @(F1.4,AGC ON), 0 Lux with IR |
| Shutter time | 1 s to 1/100,000 s |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.6 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264 / MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps – 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 2048x1536 |
| Frame rate | 50Hz: 50fps(2048 x 1536), 50fps (1920 x 1080)/(1280 x 960)/(1280 x 720) 60Hz: 50fps(2048 x 1536), 60fps (1920 x 1080)/(1280 x 960)/(1280 x 720) |
| BLC | Support, zone optional |
| Defog | Support |
| EIS | Support |
| Day/Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| Communication Interface | 1 RJ45 10M/100M Ethernet interface |
| General | |
| Operating conditions | -30 °C – 60 °C ; Humidity 95% or less (non-condensing) -H: -40 °C – 60 °C |
| Power supply | 12V DC/24 V AC ± 10%, PoE (802.3af) |
| Power consumption | -H: 12W Max: 11W |
| IR range | Up to 30m |
| Protection Level | IP66 |
| Impact protection | IEC600068-2-75Eh, 50J; EN50102, up to IK10 |
| Dimensions | Φ164.9 x 127 mm(Φ6.49" x 5") |
| Weight | 2100g (4.62 lbs) |

DS-2CD4A25FWD-IZ(H)(S)

2.3MP WDR IR Array Bullet Network Camera

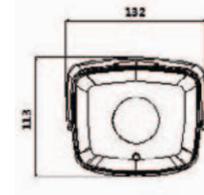
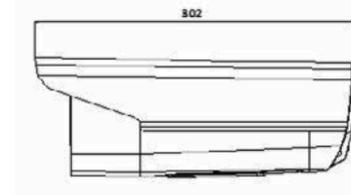
NEW



Key features

- Up to 1920 x 1200 high resolution
- Full HD1080p video, up to 60fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP67 protection

Dimension (unit: mm)



Available Models

DS-2CD4A25FWD-IZ, DS-2CD4A25FWD-IZS,
DS-2CD4A25FWD-IZH, DS-2CD4A25FWD-IZHS

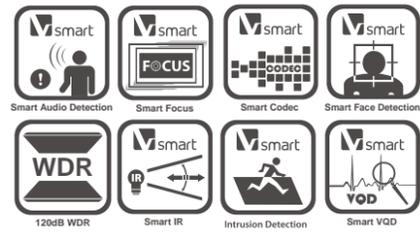
- * -S: 1-ch audio I/O,
- 1-ch alarm I/O,
- 1-ch RS-485 interface
- * -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.4 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264/ MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps – 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 1920 x 1200 |
| Frame rate | 50Hz: 50fps(1920 x 1200)/(1920 x 1080)/(1280 x 960)/(1280 x 720) 60Hz: 60fps(1920 x 1200)/(1920 x 1080)/(1280 x 960)/(1280 x 720) |
| 3rd stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1280 x 720) 60Hz: 30fps (1280 x 720) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Support, zone optional |
| Defog | Support |
| Day / Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 128x128 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| General | |
| Operating conditions | -30 °C – 60 °C Humidity 95% or less (non-condensing) -H: -40 °C – 60 °C |
| Power supply | 24 V AC ± 10%, PoE (802.3af) |
| Power consumption | 12W MAX -H: 18W MAX |
| IR range | Up to 30m (2.8-12mm) /100m (8-32mm) |
| Ingress protection | IP67 |
| Dimensions | 113x132x302 |
| Weight | 1850g |

DS-2CD4A35F-IZ(H)(S)

3MP IR Array Bullet Network Camera

NEW

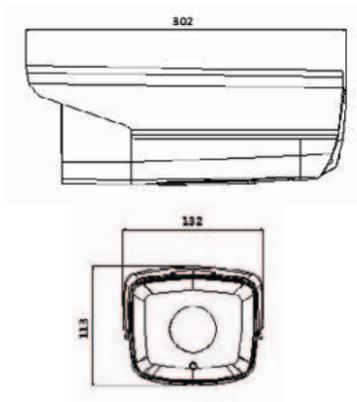


smart IPC

Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video, up to 50fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP67 protection

Dimension (unit: mm)



Available Models

DS-2CD4A35F-IZ, DS-2CD4A35F-IZS
DS-2CD4A35F-IZH, DS-2CD4A35F-IZHS

* -S: 1-ch audio I/O,

1-ch alarm I/O,

1-ch RS-485 interface

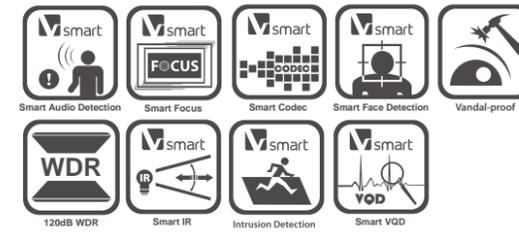
* -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.4 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264/ MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 2048x1536 |
| Frame rate | 50Hz: 50fps(2048 x 1536), 50fps (1920 x 1080) / (1280 x 960) / (1280 x 720) 60Hz: 50fps(2048 x 1536), 60fps (1920 x 1080) / (1280 x 960) / (1280 x 720) |
| 3rd stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 x 720) 60Hz: 30fps (1920 x 720) |
| Image settings | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser |
| BLC | Support, zone optional |
| Defog | Support |
| Day / Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 128x128 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| General | |
| Operating conditions | -30 °C ~ 60 °C Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C |
| Power supply | 24 V AC ± 10%, PoE (802.3af) |
| Power consumption | 12W MAX -H: 18W MAX |
| IR range | Up to 30m (2.8-12mm) / 100m (8-32mm) |
| Ingress protection | IP67 |
| Dimensions | 113x132x302 |
| Weight | 1850g |

DS-2CD4625FWD-IZ(H)(S)

2.3MP Vandal-proof IR Bullet Network Camera

NEW

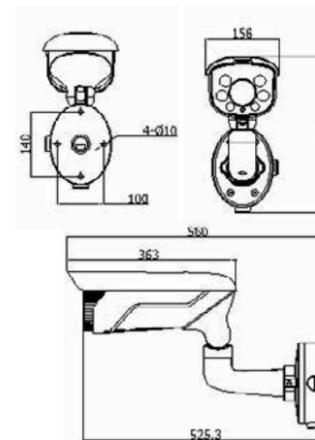


smart IPC

Key features

- Up to 1920 x 1200 high resolution
- Full HD1080p video, up to 60fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

Dimension (unit: mm)



Available Models

DS-2CD4625FWD-IZ, DS-2CD4625FWD-IZS,
DS-2CD4625FWD-IZH, DS-2CD4625FWD-IZHS

* -S: 1-ch audio I/O,

1-ch alarm I/O,

1-ch RS-485 interface

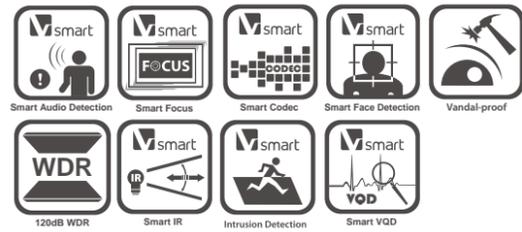
* -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.02 Lux @(F1.2,AGC ON), 0 Lux with IR 0.027 Lux @(F1.4,AGC ON), 0 Lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.4 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264/ MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 1920 x 1200 |
| Frame rate | 50Hz: 50fps(1920 x 1200) / (1920 x 1080) / (1280 x 960) / (1280 x 720) 60Hz: 60fps(1920 x 1200) / (1920 x 1080) / (1280 x 960) / (1280 x 720) |
| 3rd stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1280 x 720) 60Hz: 30fps (1280 x 720) |
| BLC | Support, zone optional |
| Defog | Support |
| Day / Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 128x128 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| General | |
| Operating conditions | -30 °C ~ 60 °C Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C |
| Power supply | 24 V AC ± 10%, High PoE (802.3af) |
| Impact Protection | IEC600068-2-75Eh, 50J; EN50102, up to IK10 |
| Power consumption | 24W MAX |
| IR range | Up to 50m (2.8-12mm) / 150m (8-32mm) |
| Ingress protection | IP66 |
| Dimensions | 158x338x560mm |
| Weight | 6200g |

DS-2CD4635F-IZ(H)(S)

3MP Vandal-proof IR Bullet Network Camera

NEW

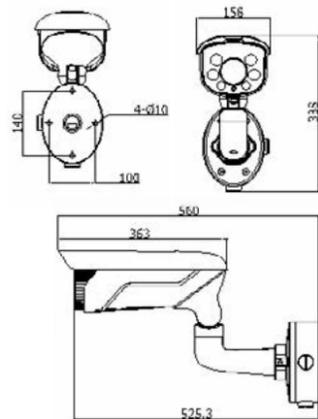


smart IPC

Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video, up to 50fps
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

Dimension (unit: mm)



Available Models

DS-2CD4635F-IZ, DS-2CD4635F-IZH
DS-2CD4635F-IZS, DS-2CD4635F-IZHS

* -S: 1-ch audio I/O,

1-ch alarm I/O,

1-ch RS-485 interface

* -H: Smart Heater

| Camera | |
|-------------------------|--|
| Image sensor | 1/2.8" Progressive Scan CMOS |
| Min. illumination | 0.02 Lux @(F1.2,AGC ON), 0 Lux with IR 0.027 Lux @(F1.4,AGC ON), 0 Lux with IR |
| Shutter time | 1s ~ 1/100,000s |
| Slow shutter | Yes |
| Lens | 2.8-12mm @ F1.4 Motorized VF lens 8-32mm @ F1.4 Motorized VF lens optional |
| Auto iris | DC drive |
| Day & night | IR cut filter with auto switch |
| Digital noise reduction | 3D DNR |
| Wide dynamic range | 120dB |
| Compression standard | |
| Video compression | H.264/ MJPEG |
| H.264 codec profile | Baseline Profile / Main Profile / High Profile |
| Video bit rate | 32 Kbps ~ 16 Mbps |
| Audio compression | G.711/G.726/MP2L2 |
| Audio bit rate | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2) |
| Image | |
| Max. resolution | 2048x1536 |
| Frame rate | 50Hz: 50fps(2048 x 1536), 50fps (1920 x 1080) / (1280 x 960) / (1280 x 720) 60Hz: 50fps(2048 x 1536), 60fps (1920 x 1080) / (1280 x 960) / (1280 x 720) |
| 3rd stream | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1280 x 720) 60Hz: 30fps (1280 x 720) |
| BLC | Support, zone optional |
| Defog | Support |
| Day / Night Switch | Auto/Schedule/Triggered by Alarm In |
| Picture overlay | 128x128 24bit BMP format overlay, zone optional |
| ROI | Support 4 fixed areas or dynamic tracking for each of the three streams |
| Network | |
| Network storage | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS |
| Alarm trigger | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access |
| System compatibility | ONVIF, PSIA, CGI, ISAPI |
| General | |
| Operating conditions | -30 °C ~ 60 °C Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C |
| Power supply | 24 V AC ± 10%, High PoE (802.3af) |
| Impact Protection | IEC600068-2-75Eh, 50J; EN50102, up to IK10 |
| Power consumption | 24W MAX |
| IR range | Up to 50m (2.8-12mm) / 150m (8-32mm) |
| Ingress protection | IP66 |
| Dimensions | 158x338x560mm |
| Weight | 6200g |

DS-2DF7286/7284 series

2MP Network IR PTZ Dome Camera

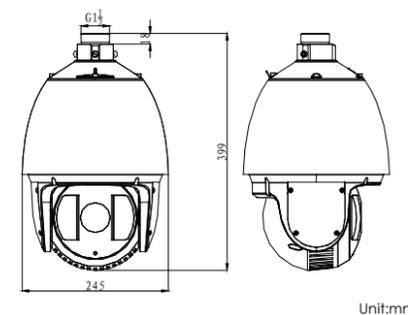
smart PTZ



Key features

- 1/2.8" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- Up to 150m IR distance
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply

Dimension (unit: mm)



Available Models

DS-2DF7286-A: 24VAC, outdoor
DS-2DF7286-AEL: High-PoE & 24VAC, outdoor

DS-2DF7284-A: 24VAC, outdoor
DS-2DF7284-AEL: High-PoE & 24VAC, outdoor

| | DS-2DF7286-A/AEL | DS-2DF7284-A/AEL |
|--------------------------------|--|----------------------------------|
| Camera | | |
| Image sensor | 1/2.8" Progressive Scan CMOS | |
| Effective pixel | 2230K pixels | |
| Min. illumination | Color: 0.02Lux @(F1.6, AGC ON), B/W: 0.002Lux @(F1.6, AGC ON), 0 Lux with IR | |
| White balance | Auto / Manual / ATW/Indoor / Outdoor / Daylight lamp / Sodium lamp | |
| AGC | Auto / Manual | |
| S / N ratio | ≥ 50dB | |
| Digital noise reduction | 3D DNR | |
| Backlight compensation | HLC / BLC | |
| Wide dynamic range | Digital WDR | |
| Shutter speed | 50Hz: 1 ~ 1/30,000s, 60Hz: 1 ~ 1/30,000s | |
| Day & Night | IR Cut Filter | |
| Digital zoom | 16X | |
| Privacy masking | 24 privacy masks programmable, optional multiple colors and mosaics | |
| Focus mode | Auto / Semiautomatic / Manual | |
| Electronic Image Stabilization | Support | |
| Defog | Support | |
| Lens | | |
| Focal length | 4.3 ~ 129mm, 30X optical zoom | 4.7 ~ 94mm, 20X optical zoom |
| Zoom speed | Approx. 3s (Optical Wide-Tele) | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view | 65.5 ~ 2.11 degree (Wide-Tele) | 58.3 ~ 3.2 degree (Wide-Tele) |
| Min. Working distance | 10 ~ 1500mm(Wide-Tele) | |
| Aperture range | F1.6 ~ F5.0 | F1.6 ~ F3.5 |
| Pan and Tilt | | |
| Smart tracking | Support | |
| Pan / Tilt range | Pan: 360° endless; Tilt: -2° ~ 90° (auto flip) | |
| Pan / Tilt speed | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s | |
| Proportional zoom | Rotation speed can be adjusted automatically according to zoom multiples | |
| Number of preset | 256 | |
| Patrol | 8 patrols, up to 32 presets per patrol | |
| Pattern | 4 patterns, with the recording time not less than 10 minutes per pattern | |
| Power-off memory | Support | |
| Park action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan | |
| PTZ position display | Support | |
| Preset freezing | Support | |
| Scheduled task | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output | |
| Infrared | | |
| Smart IR | Support | |
| IR distance | Up to 150m | |
| IR intensity | Automatically adjusted, depending on the zoom ratio | |
| Alarm | | |
| Alarm input | 7 inputs | |
| Alarm output | 2 relay outputs, alarm response actions configurable | |
| Alarm trigger | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception | |
| Alarm action | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client | |
| Local Video&Audio | | |
| Video output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| Audio input | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% | |
| Audio output | 1 Audio output interface. Line level, impedance: 600Ω | |
| Network | | |
| Ethernet | 10Base-T / 100Base-TX, RJ45 connector | |
| Max. image resolution | 1920x1080 | |
| Frame rate | 50Hz: 25 fps (1920x1080), 25 fps (1280x960), 25 fps (1280x720) 60Hz: 30 fps (1920x1080), 30 fps (1280x960), 30 fps (1280x720) | |
| Image compression | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile | |
| SVC | Support | |
| ROI encoding | Support | |
| Audio compression | G.711u / G.711a / G.726 / MP2L2 | |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE | |
| Simultaneous live view | Up to 10 | |
| Streams | Triple streams | |
| SD memory card | Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording | |
| User/Host level | Up to 32 users, 3 Levels: Administrator, Operator and User | |
| Security measures | User authentication (ID and PW), Host authentication (MAC address), IP address filtering | |
| Integration | | |
| Application programming | Open-ended API, support Onvif, PSIA and CGI | |
| Web browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language | |
| General | | |
| RS-485 protocols | HIKVISION, Pelco-P, Pelco-D, self-adaptive | |
| Power | -A: 24VAC, max. 50W ; -AEL: 24VAC, max. 60W / High-PoE, max. 50W | |
| Working temperature | -A: -30°C ~ 65°C(-22°F ~ 149°F) -AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) | |
| Humidity | 90% or less | |
| Protection level | IP66, TVS 4000V lightning protection, surge protection and voltage transient protection | |
| Dimensions | Φ245 x 399mm (Φ9.65" x 15.71") | |
| Weight | Approx. 5.5kg(12.13lbs) | |

DS-2DF7276/7274 series

1.3MP Network IR PTZ Dome Camera

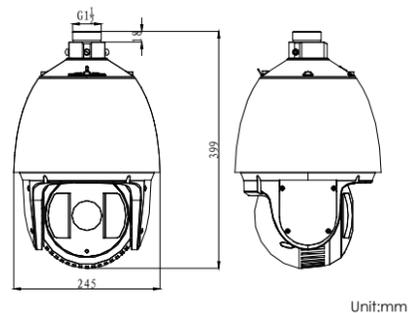
smart PTZ



Key features

- 1/3" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- Up to 150m IR distance
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply

Dimension (unit: mm)



Unit:mm

Available Models

DS-2DF7276-A: 24VAC, outdoor
DS-2DF7276-AEL: High-PoE & 24VAC, outdoor

DS-2DF7274-A: 24VAC, outdoor
DS-2DF7274-AEL: High-PoE & 24VAC, outdoor

| Camera | DS-2DF7276-A/AEL | DS-2DF7274-A/AEL |
|-------------------------------|--|----------------------------------|
| Image sensor | 1/3" Progressive Scan CMOS | |
| Effective pixel | 1320K pixels | |
| Min. Illumination | Color: 0.02Lux @ (F1.6, AGC ON), B/W: 0.002Lux @ (F1.6, AGC ON), 0 Lux with IR | |
| White balance | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp | |
| AGC | Auto / Manual | |
| S / N ratio | ≥ 50dB | |
| Digital noise reduction | 3D DNR | |
| Backlight compensation | HLC / BLC | |
| Wide dynamic range | Digital WDR | |
| Shutter speed | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s | |
| Day & Night | IR Cut Filter | |
| Digital zoom | 16X | |
| Privacy masking | 24 privacy masks programmable, optional multiple colors and mosaics | |
| Focus mode | Auto / Semiautomatic / Manual | |
| Electronic Image Sabilization | Support | |
| Defog | Support | |
| Lens | | |
| Focal length | 4.3 ~ 129.0mm, 30X optical zoom | 4.7 ~ 94mm, 20X optical zoom |
| Zoom speed | Approx 3s (Optical Wide-Tele) | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view | 65.5 ~ 2.11 degree (Wide-Tele) | 58.3 ~ 3.2 degree (Wide-Tele) |
| Min. Working distance | 10 ~ 1,500mm(Wide-Tele) | |
| Aperture range | F1.6 ~ F5.0 | F1.6 ~ F3.5 |
| Pan and Tilt | | |
| Smart tracking | Support | |
| Pan / Tilt range | Pan: 360° endless; Tilt: -2° ~ 90° (Auto Flip) | |
| Pan / Tilt speed | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 160°/s Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 120°/s | |
| Proportional zoom | Rotation speed can be adjusted automatically according to zoom multiples | |
| Number of preset | 256 | |
| Patrol | 8 patrols, up to 32 presets per patrol | |
| Pattern | 4 patterns, with the recording time not less than 10 minutes per pattern | |
| Power-off memory | Support | |
| Park action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan | |
| PTZ position display | Support | |
| Preset freezing | Support | |
| Scheduled task | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output | |
| Infrared | | |
| Smart IR | Support | |
| IR distance | Up to 150m | |
| IR intensity | Automatically adjusted, depending on the zoom ratio | |
| Alarm | | |
| Alarm input | 7 inputs | |
| Alarm output | 2 relay outputs, alarm response actions configurable | |
| Alarm trigger | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception | |
| Alarm action | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client | |
| Local Video and Audio | | |
| Video output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| Audio input | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% | |
| Audio output | 1 Audio output interface. Line level, impedance: 600Ω | |
| Network | | |
| Ethernet | 10Base-T / 100Base-TX, RJ45 connector | |
| Max. image resolution | 1280x960 | |
| Frame rate | 50Hz:25fps(1280x960), 25fps (1280x720) 60Hz:30fps(1280x960), 30fps (1280x720) | |
| Image compression | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile | |
| SVC | Support | |
| ROI encoding | Support | |
| Audio compression | G.711u / G.711a / G.726 / MP2L2 | |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE | |
| Simultaneous live view | Up to 10 | |
| Streams | Triple streams | |
| SD memory card | Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording | |
| User/Host level | Up to 32 users, 3 Levels: Administrator, Operator and User | |
| Security measures | User authentication(ID and PW); Host authentication(MAC address); IP address filtering | |
| Integration | | |
| Application programming | Open-ended API, support Onvif, PSIA and CGI | |
| Web browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language | |
| General | | |
| RS-485 protocols | HIKVISION, Pelco-P, Pelco-D, self-adaptive | |
| Power | -A: 24VAC, max. 50W; -AEL: 24VAC, max. 60W / High-PoE, max. 50 | |
| Working temperature | -A: -30°C ~ 65°C (-22°F ~ 149°F) -AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) | |
| Humidity | 90% or less | |
| Protection level | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection | |
| Dimensions | Φ245 x 399mm (Φ9.65" x 15.71") | |
| Weight | Approx. 5.5kg(12.13lbs) | |

DS-2DF5286/5284 series

2MP Network PTZ Dome Camera

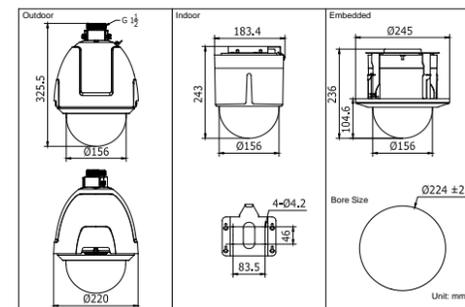
smart PTZ



Key features

- 1/2.8" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply
- Outdoor / Indoor

Dimension (unit: mm)



Available Models

DS-2DF5286-A: 24VAC, outdoor
DS-2DF5286-AEL: High-PoE & 24VAC, outdoor
DS-2DF5286-A3: 24VAC, indoor
DS-2DF5286-AE3: PoE+ & 24VAC, indoor

DS-2DF5284-A: 24VAC, outdoor
DS-2DF5284-AEL: High-PoE & 24VAC, outdoor
DS-2DF5284-A3: 24VAC, indoor
DS-2DF5284-AE3: PoE+ & 24VAC, indoor

NOTE: Indoor models support ceiling and in-ceiling mount.

| Camera | DS-2DF5286-A/AEL (outdoor) DS-2DF5286-A3/AE3 (indoor) | DS-2DF5284-A/AEL (outdoor) DS-2DF5284-A3/AE3 (indoor) |
|-------------------------------|---|--|
| Image sensor | 1/2.8" Progressive Scan CMOS | |
| Effective pixel | 2230K pixels | |
| Min. Illumination | Color: 0.02Lux @ (F1.6, AGC ON), B/W: 0.002Lux @ (F1.6, AGC ON), 0 Lux with IR | |
| White balance | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp | |
| AGC | Auto / Manual | |
| S / N ratio | ≥ 50dB | |
| Digital noise reduction | 3D DNR | |
| Backlight compensation | HLC / BLC | |
| Wide dynamic range | Digital WDR | |
| Shutter speed | 50Hz: 1-1/30,000s; 60Hz: 1-1/30,000s | |
| Day & Night | IR Cut Filter | |
| Digital zoom | 16X | |
| Privacy masking | 24 privacy masks programmable, optional multiple colors and mosaics | |
| Focus mode | Auto / Semiautomatic / Manual | |
| Electronic Image Sabilization | Support | |
| Defog | Support | |
| Lens | | |
| Focal length | 4.3 ~ 129mm, 30X optical zoom | 4.7 ~ 94mm, 20X optical zoom |
| Zoom speed | Approx.3s (Optical Wide-Tele) | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view | 65.5 ~ 2.11 degree (Wide-Tele) | 58.3 ~ 3.2 degree (Wide-Tele) |
| Min. Working distance | 10 ~ 1500mm(Wide-Tele) | |
| Aperture range | F1.6 ~ F5.0 | F1.6 ~ F3.5 |
| Pan and Tilt | | |
| Smart tracking | Support | |
| Pan / Tilt range | Pan: 360° endless; Tilt: -5° ~ 90°(Auto Flip) | |
| Pan / Tilt speed | Pan Manual Speed: 0.1° ~ 300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1° ~ 240°/s, Tilt Preset Speed: 400°/s | |
| Proportional zoom | Rotation speed can be adjusted automatically according to zoom multiples | |
| Number of preset | 256 | |
| Patrol | 8 patrols, up to 32 presets per patrol | |
| Pattern | 4 patterns, with the recording time not less than 10 minutes per pattern | |
| Power-off memory | Support | |
| Park action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan | |
| PTZ position display | Support | |
| Preset freezing | Support | |
| Scheduled task | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output | |
| Alarm | | |
| Alarm input | 7 inputs | |
| Alarm output | 2 relay outputs, alarm response actions configurable | |
| Alarm trigger | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception | |
| Alarm action | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client | |
| Local Video and Audio | | |
| Video output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| Audio input | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% | |
| Audio output | 1 Audio output interface. Line level, impedance: 600Ω | |
| Network | | |
| Ethernet | 10Base-T / 100Base-TX, RJ45 connector | |
| Max. image resolution | 1920x1080 | |
| Frame rate | 50Hz: 25 fps (1920x1080), 25 fps (1280x960), 25 fps (1280x720) 60Hz: 30 fps (1920x1080), 30 fps (1280x960), 30 fps (1280x720) | |
| Image compression | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile | |
| SVC | Support | |
| ROI encoding | Support | |
| Audio compression | G.711u / G.711a / G.726 / MP2L2 | |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE | |
| Simultaneous live view | Up to 10 | |
| Streams | Triple streams | |
| SD memory card | Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording | |
| User/Host level | Up to 32 users, 3 Levels: Administrator, Operator and User | |
| Security measures | User authentication (ID and PW), Host authentication (MAC address), IP address filtering | |
| Integration | | |
| Application programming | Open-ended API, support Onvif, PSIA and CGI | |
| Web browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language | |
| General | | |
| RS-485 Protocols | HIKVISION, Pelco-P, Pelco-D, self-adaptive | |
| Power | -A: 24VAC, max. 40W -AEL: 24VAC, max. 60W / High-PoE, max. 40W -A3/AE3: 24VAC / PoE+, max. 25W -A: -30°C ~ 65°C (-22°F ~ 149°F) -AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -A3/AE3: -10°C ~ 50°C (14°F ~ 122°F) | |
| Working Temperature | -A: -30°C ~ 65°C (-22°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -A3/AE3: -10°C ~ 50°C (14°F ~ 122°F) | |
| Humidity | 90% or less | |
| Protection Level | IP66, IK 10, TVS 4,000V lightning protection, surge protection and voltage transient protection | |
| Dimensions | Φ220x325.5mm (Φ8.66"x12.81")(Outdoor) Φ183.4x243mm (Φ7.22"x9.57")(Ceiling) Φ245x236mm (Φ9.65"x9.29")(In-ceiling) | |
| Weight | Approx. 5kg (11.02lbs) | |

DS-2DF5276/5274 series

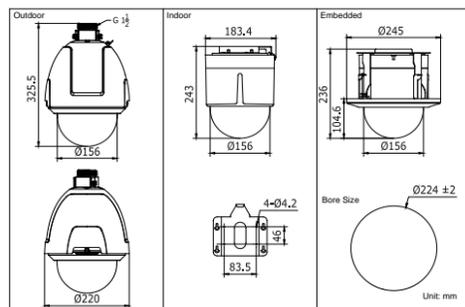
2MP Network PTZ Dome Camera



Key features

- 1/3" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply
- Outdoor / Indoor

Dimension (unit: mm)



Available Models

DS-2DF5276-A: 24VAC, outdoor
 DS-2DF5276-AEL: High-PoE & 24VAC, outdoor
 DS-2DF5276-A3: 24VAC, indoor
 DS-2DF5276-AE3: PoE+ & 24VAC, indoor

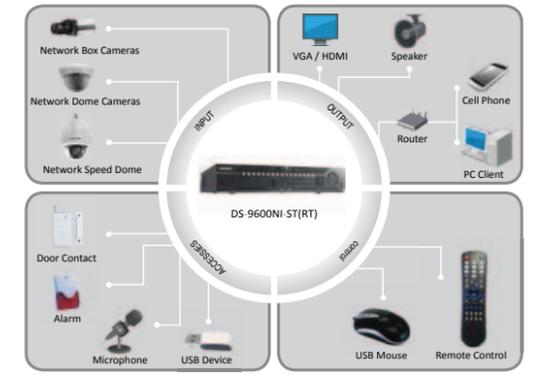
DS-2DF5274-A: 24VAC, outdoor
 DS-2DF5274-AEL: High-PoE & 24VAC, outdoor
 DS-2DF5274-A3: 24VAC, indoor
 DS-2DF5274-AE3: PoE+ & 24VAC, indoor

NOTE: Indoor models support ceiling and in-ceiling mount.

| | DS-2DF5276-A/AEL (outdoor) DS-2DF5276-A3/AE3 (indoor) | DS-2DF5274-A/AEL (outdoor) DS-2DF5274-A3/AE3 (indoor) |
|-------------------------------|--|---|
| Camera | | |
| Image sensor | 1/3" Progressive Scan CMOS | |
| Effective pixel | 1320K pixels | |
| Min. illumination | Color: 0.02Lux @ (F1.6, AGC ON), B/W: 0.002Lux @ (F1.6, AGC ON), 0 Lux with IR | |
| White balance | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp | |
| AGC | Auto / Manual | |
| S / N ratio | ≥ 50dB | |
| Digital noise reduction | 3D DNR | |
| Backlight compensation | HLC / BLC | |
| Wide dynamic range | Digital WDR | |
| Shutter speed | 50Hz: 1~ 1/30,000s; 60Hz: 1~ 1/30,000s | |
| Day & Night | IR Cut Filter | |
| Digital zoom | 12X | |
| Privacy masking | 24 privacy masks programmable, optional multiple colors and mosaics | |
| Focus mode | Auto / Semiautomatic / Manual | |
| Electronic Image Sabilization | Support | |
| Defog | Support | |
| Lens | | |
| Focal length | 4.3 ~ 129mm, 30X optical zoom | 4.7 ~ 94mm, 20X optical zoom |
| Zoom speed | Approx.3s (Optical Wide-Tele) | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view | 65.5 ~ 2.11 degree (Wide-Tele) | 58.3 ~ 3.2 degree (Wide-Tele) |
| Min. Working distance | 10 ~ 1500mm(Wide-Tele) | |
| Aperture range | F1.6 ~ F5.0 | F1.6 ~ F3.5 |
| Pan and Tilt | | |
| Smart tracking | Support | |
| Pan / Tilt range | Pan: 360° endless; Tilt: -5° ~ 90°(Auto Flip) | |
| Pan / Tilt speed | Pan Manual Speed: 0.1° ~ 300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1° ~ 240°/s, Tilt Preset Speed: 400°/s | |
| Proportional zoom | Rotation speed can be adjusted automatically according to zoom multiples | |
| Number of preset | 256 | |
| Patrol | 8 patrols, up to 32 presets per patrol | |
| Pattern | 4 patterns, with the recording time not less than 10 minutes per pattern | |
| Power-off memory | Support | |
| Park action | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan | |
| PTZ position display | Support | |
| Preset freezing | Support | |
| Scheduled task | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output | |
| Alarm | | |
| Alarm input | 7 inputs | |
| Alarm output | 2 relay outputs, alarm response actions configurable | |
| Alarm trigger | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception | |
| Alarm actions | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client | |
| Local Video&Audio | | |
| Video output | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC | |
| Audio input | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10% | |
| Audio output | 1 Audio output interface. Line level, impedance: 600Ω | |
| Network | | |
| Ethernet | 10Base-T / 100Base-TX, RJ45 connector | |
| Max. image resolution | 1280×960 | |
| Frame rate | 50Hz:25fps(1280×960), 25fps (1280×720); 60Hz:30fps(1280×960), 30fps (1280×720) | |
| Image compression | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile | |
| SVC | Support | |
| ROI encoding | Support | |
| Audio compression | G.711u / G.711a / G.726 / MP2L2 | |
| Protocols | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE | |
| Simultaneous live view | Up to 10 | |
| Streams | Triple streams | |
| SD memory card | Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording | |
| User/Host level | Up to 32 users, 3 Levels: Administrator, Operator and User | |
| Security measures | User authentication (ID and PW), Host authentication (MAC address), IP address filtering | |
| Integration | | |
| Application programming | Open-ended API, support Onvif, PSIA and CGI | |
| Web browser | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language | |
| General | | |
| RS-485 protocols | HIKVISION, Pelco-P, Pelco-D, self-adaptive | |
| Power | -A: | 24VAC, max. 40W |
| | -AEL: | 24VAC, max. 60W / High-PoE, max. 40W |
| | -A3/AE3: | 24VAC / PoE+, max. 25W |
| Working Temperature | -A: | -30°C ~ 65°C (-22°F ~ 149°F) |
| | -AEL: | 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) |
| | -A3/AE3: | -10°C ~ 50°C (14°F ~ 122°F) |
| Humidity | 90% or less | |
| Protection Level | IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection | |
| Dimensions | Φ220×325.5mm (Φ8.66"×12.81") (Outdoor) | |
| | Φ183.4×243mm (Φ7.22"×9.57") (Ceiling) | |
| | Φ245×236mm (Φ9.65"×9.29") (In-ceiling) | |
| Weight | Approx. 5Kg (11.02lbs) | |

DS-9632/64NI-ST(-RT)

Embedded 2U Powerful NVR



Key features

- 160Mbps Bit Rate Input Max(up to 32/64-ch IP video)
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual Gigabit network interfaces
- 8 SATA, 1 eSATA, 3 USB2.0

*-RT series support RAID0, 1, 5, 10

Rear Panel of DS-9600NI-ST(RT)



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 serial interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN1, LAN2 network interface
9. Termination switch
10. RS-485 serial interface, keyboard interface, alarm in and alarm out
11. GND
12. 100 ~ 240VAC Power Input
13. Power Switch
14. USB Interface

| | DS-9632NI-ST(RT) | DS-9664NI-ST(RT) |
|---------------------------------|---|------------------|
| Video/Audio input | | |
| IP video input | 32-ch | 64-ch |
| Two-way audio input | 1-ch, BNC (2.0 Vp-p, 1 kΩ) | |
| Incoming bandwidth | 160Mbps | |
| Outgoing bandwidth | 160Mbps | |
| Remote Connection | 128 | |
| Video/Audio output | | |
| Recording resolution | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF | |
| CVBS output | 1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC) | |
| HDMI output | 1-ch, resolution: 1920 × 1080P / 60Hz, 1920×1080P / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz | |
| VGA output | 1-ch, resolution: 1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz | |
| Audio output | 2-ch, BNC (Linear, 600 Ω) | |
| Decoding | | |
| Live view / Playback resolution | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF | |
| Capability | 16-ch@720P, 8-ch@1080P | |
| Hard disk | | |
| SATA | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs | |
| eSATA | 1 eSATA interface | |
| Capacity | Up to 4TB capacity for each disk | |
| Disk array | | |
| Array type | RAID0, RAID1, RAID5, RAID10 | |
| Number of array | 8 | |
| Number of virtual disk | 8 | |
| External interface | | |
| Network interface | 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces | |
| Serial interface | RS-232; RS-485; Keyboard; | |
| USB interface | 3 × USB 2.0 | |
| Alarm in/out | 16/4 | |
| General | | |
| Power supply | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz | |
| Consumption | ≤45W | |
| Working temperature | -10°C ~ +55°C (14 °F ~ 131 °F) | |
| Working humidity | 10% ~ 90% | |
| Chassis | 19-inch rack-mounted 2U chassis | |
| Dimensions (W × D × H) | 445 × 470 × 90 mm | |
| Weight | ≤ 8 kg / 17.64 lb (without hard disk or DVD-R/W) | |

DS-7716/32NI-ST(-SP)

Embedded 1.5U PoE Professional NVR



Key features

- 80/160Mbps Bit Rate Input Max(up to 16/32-ch IP video)
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- 4 SATA, 3 USB2.0

*-SP series support 16 independent PoE network interfaces

Rear Panel of DS-7700NI-ST

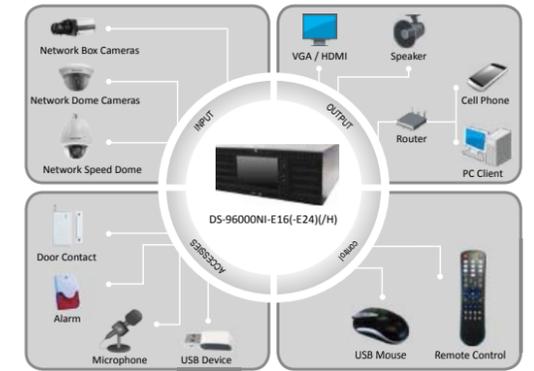


1. Video out
2. CVBS Audio out and VGA audio out
3. Line in
4. RS-232 interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN interface
9. Termination switch
10. RS-485 interface, controller port, alarm in and alarm out
11. Ground
12. AC 100V ~ 240V
13. Power
14. USB interface

| | DS-7716NI-ST | DS-7732NI-ST |
|---------------------------------|---|--------------|
| Video/Audio input | | |
| IP video input | 16-ch | 32-ch |
| Two-way audio input | 1-ch, BNC (2.0Vp-p, 1kΩ) | |
| Network | | |
| Incoming bandwidth | 80Mbps | 160Mbps |
| Outgoing bandwidth | 240Mbps | 160Mbps |
| Remote Connection | 128 | |
| Video/Audio output | | |
| Recording resolution | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF | |
| Frame rate | Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N) | |
| CVBS output | 1-ch, BNC (1.0Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC) | |
| HDMI output | 1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | |
| VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | |
| Audio output | 2-ch, BNC (Linear, 600Ω) | |
| Decoding | | |
| Live view / Playback resolution | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF | |
| Capability | 16-ch@720P, 8-ch@1080P | |
| Hard disk | | |
| SATA | 4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs | |
| eSATA | 1 eSATA interface | |
| Capacity | Up to 4TB capacity for each HDD | |
| External interface | | |
| Network interface | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface | |
| Serial interface | RS-232; RS-485; Keyboard | |
| USB interface | 3 × USB 2.0 | |
| Alarm in/out | 16/4 | |
| General | | |
| Power supply | 100 ~ 240VAC, 6.3A, 50 ~ 60Hz | |
| Consumption | ≤ 40 W | ≤ 45 W |
| Working temperature | -10 °C ~ +55 °C (14°F ~ 131°F) | |
| Working humidity | 10% ~ 90% | |
| Chassis | 19-inch rack-mounted 1.5U chassis | |
| Dimensions(W × D × H) | 445 × 390 × 70 mm (17.5" × 15.3" × 2.8") | |
| Weight | ≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W) | |

DS-96128/256NI-E16(-E24)/(H)

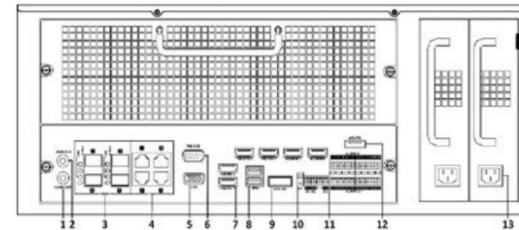
Embedded Super NVR



Key features

- 400/640Mbps Bit Rate Input Max(up to 128/256-ch IP video)
- Third-party network cameras supported
- Up to 8 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- Support RAID0, 1, 5, 10 & Dual Power
- 16 SATA(DS-96128/256NI-E16)/24 SATA(DS-96128/256NI-E24), 1 eSATA, 1 mini SAS, 3 USB2.0
- "/H" models supports up to 6-ch HDMI output interfaces

Rear Panel of DS-96256NI-E24(H)



1. Audio Out
2. Audio In
3. 4 Fiber Optic Interfaces
4. LAN Network Interfaces
5. VGA Interface
6. RS-232 Serial Interface
7. HDMI Interfaces
8. USB 3.0 Interfaces
9. MiniSAS Interface
10. Termination Switch
11. RS-485 Serial Interface, Keyboard Interface
12. eSATA Interface
13. 100~240VAC Power InputPower switch

| | DS-96128NI-E16 DS-96128NI-E16/H | DS-96256NI-E16 DS-96256NI-E16/H | DS-96128NI-E24 DS-96128NI-E24/H | DS-96256NI-E24 DS-96256NI-E24/H |
|--|---|------------------------------------|------------------------------------|------------------------------------|
| Video/Audio input | | | | |
| IP video input | 128-ch | 256-ch | 128-ch | 256-ch |
| Two-way audio input | 1-ch, RCA (2.0Vp-p, 1kΩ) | | | |
| Network | | | | |
| Incoming bandwidth | 400Mbps | 640Mbps | 400Mbps | 640Mbps |
| Outgoing bandwidth | 400Mbps | 320Mbps | 400Mbps | 320Mbps |
| Remote Connection | 256 | | | |
| Video/Audio output | | | | |
| Recording resolution | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| LCD output (Optional) | 7"LCD touch screen | | N/A | |
| HDMI output | 2-ch (/H models supports the HDMI outputs to be expanded to 6 channels), resolution: 1920 × 1080P /60Hz, 1920 × 1080P /50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | | | |
| VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | | | |
| Audio output | 1-ch, RCA (2.0Vp-p, 1KΩ) | | | |
| Decoding | | | | |
| Live view / Playback resolution | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | | |
| Capability | 8-ch@1080P (/H models: 24-ch@1080P) | | | |
| Hard disk | | | | |
| SATA | 16 SATA interfaces for 16 HDDs | | 24 SATA interfaces for 24 HDDs | |
| eSATA | 1 eSATA interface | | | |
| miniSAS (Optional) | 1 miniSAS interface | | | |
| Capacity | Up to 4TB capacity for each HDD | | | |
| Disk array | | | | |
| Array type | RAID0, RAID1, RAID5, RAID10 | | | |
| External interface | | | | |
| Network interface | 4 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces | | | |
| Optic fiber interface | 4 1000 Mbps optic fiber interfaces | | | |
| Serial interface | RS-232; RS-485 (reserved); Keyboard; | | | |
| Working humidity | Front panel: 2 × USB 2.0 Rear panel: 2 × USB 3.0 | | Rear panel: 2 × USB 3.0 | |
| Alarm in/out | 16/8 | | | |
| Others | | | | |
| Power supply Consumption (without hard disk) | ≤ 300 W | | ≤ 450 W | |
| Working temperature | -10°C ~ +55°C (14°F ~ 131°F) | | | |
| Working humidity | 10% ~ 90% | | | |
| Chassis | 19-inch rack-mounted 3U chassis | | 19-inch rack-mounted 4U chassis | |
| Dimensions(W × D × H) | 442 × 494 × 146 mm | | 447 × 528 × 172mm | |
| Weight | ≤ 15.86 Kg (31.79 lb)(without hard disk) | | | |

DS-7716/32NI-E4(-E4/16P)

Embedded 1.5U PoE NVR

Other Professional Products

smart NVR

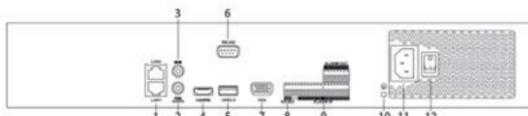


Key features

- 100/200Mbps Bit Rate Input Max(up to 16/32-ch IP video)
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- 4 SATA, 2 USB 2.0, 1 USB 3.0

*-E4/16P series support 16 independent PoE network interfaces

Rear Panel of DS-7700NI-ST



1. LAN1 and LAN2 Network Interfaces
2. AUDIO OUT
3. AUDIO IN
4. HDMI Interface
5. USB 3.0 Interface
6. RS-232 Serial Interface
7. VGA Interface
8. RS-485 Serial Interface
9. ALARM IN and ALARM OUT
10. GND
11. 100~240VAC Power Input
12. Power Switch

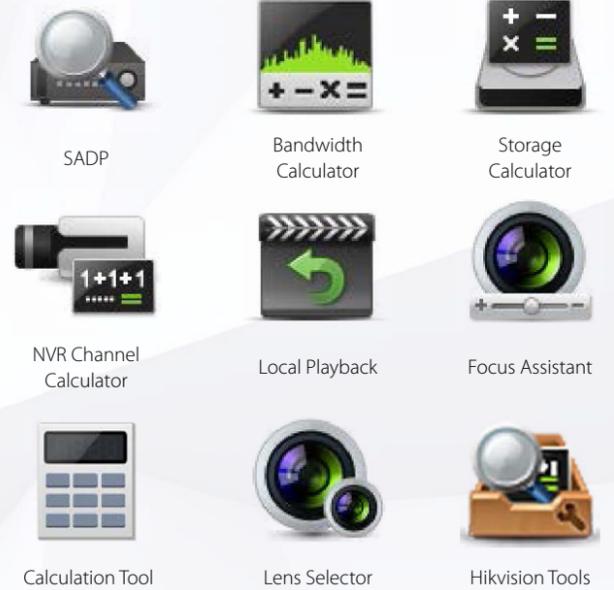
| | DS-7716NI-E4 DS-7716NI-E4/16P | DS-7732NI-E4 DS-7732NI-E4/16P |
|---------------------------------|--|----------------------------------|
| Video/Audio input | | |
| IP video input | 16-ch | 32-ch |
| Two-way audio input | 1-ch, BNC (2.0 Vp-p, 1kΩ) | |
| Network | | |
| Incoming bandwidth | 100Mbps | 200Mbps |
| Outgoing bandwidth | 80Mbps | |
| Remote Connection | 128 | |
| Video/Audio output | | |
| Recording resolution | 5MP/ 3MP/ 1080P/ UXGA/ 720P/ VGA/ 4CIF/ DCIF/ 2CIF/ CIF/ QCIF | |
| Frame rate | Main stream: 50 fps (P) / 60 fps (N) Sub-stream: 50 fps (P) / 60 fps (N) | |
| HDMI output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | |
| VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | |
| Audio output | 1-ch, RCA (Linear, 1kΩ) | |
| Decoding | | |
| Live view / Playback resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | |
| Capability | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P | |
| Hard disk | | |
| SATA | 4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs | |
| eSATA | 1 eSATA interface | |
| Capacity | Up to 4TB capacity for each HDD | |
| External interface | | |
| Network interface | 2 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces | |
| Serial interface | RS-232 and RS-485 | |
| USB interface | 2 × USB 2.0 + 1 × USB 3.0 | |
| Alarm in/out(Optional) | 16 / 4 (optionally can be expanded to 16 / 8) | |
| General | | |
| Power supply | 100 ~ 240 VAC | |
| Consumption | ≤20W | |
| Working temperature | -10 °C ~ +55 °C (+14 °F ~ + 131 °F) | |
| Working humidity | 10% ~ 90% | |
| Chassis | 19-inch rack-mounted 1.5U chassis | |
| Dimensions(W × D × H) | 445 × 390 × 70 mm (17.5"× 15.3"× 2.8") | |
| Weight | ≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W) | |

Free Software & Tools



iVMS-4500 Mobile Phone Software

- Support all Hikvision devices, like cameras, DVR/DVS, etc
- Base on mobile phone/PDA device
- Support HD devices
- Logical design for users easy to use
- Support Windows mobile, iPhone, Andriod and Symbian OS



Megapixel Vari-focal Lens



TV0550D-MPIR

- Resolution: Up to 3 Megapixel
- IR correction
- Molded glass aspheric surface
- 5~50mm Vari-focal range
- 1/2.7" format
- Aperture: F1.6
- DC Drive, Auto Iris



TV2712D-MPIR

- Resolution: Up to 3 Megapixel
- IR correction
- Molded glass aspheric surface
- 2.7~12mm Vari-focal range
- 1/2.7" format
- Aperture: F1.2
- DC Drive, Auto Iris



TV2810D-MPIR

- Resolution: Up to 3 Megapixel
- IR correction
- Molded glass aspheric surface
- 2.8~10mm Vari-focal range
- 1/2.7" format
- Aperture: F1.4
- DC Drive, Auto Iris



HV1140D-8MPIR

- Up to 8 Megapixel resolution
- IR correction
- Super low-light performance
- Consistent F stop

- Molded glass aspheric surface
- 11~40mm Vafi-focal range
- 1/1.8" format
- Aperture: F1.5-C
- DC drive, Auto Iris



HV3816D-8MPIR

- Up to 8 Megapixel resolution
- IR correction
- Super low-light performance
- Consistent F stop

- Molded glass aspheric surface
- 3.8~16mm Vafi-focal range
- 1/1.8" format
- Aperture: F1.5-C
- DC drive, Auto Iris

Typical Application

Perimeter

High definition PTZ or IR array network camera ensuring around-the-clock safety.



Warehouse

Automatically sends an alert when an intruder enters during off-hours.



Hall Entrance

True WDR to handle the contrast light interference, and to protect from bad weather.



Corridor

With rotate mode, it's able to capture videos of the image of the corridor.



Security Room

Up to 256-channel IP video, supporting up to 5-megapixel resolution.



Entrance

Super long IR range with line crossing capability.



Hall

Provides both a panoramic view and high-definition detail.



Parking

Detects and automatically tracks any intruder.



Accessories



DS-1661ZJ
Pendant mount

DS-1662ZJ
Pendant mount

DS-1601ZJ-box
Power box mount

DS-1601ZJ
Long-arm wall mount

DS-1601ZJ-pole
Pole mount

DS-1601ZJ-corner
Corner mount

DS-1203ZJ
Pendant mount
Aluminum alloy
70.4x84x200mm



DS-1212ZJ
Wall mount
Aluminum alloy
95x65x188.5mm

DS-1214ZJ
Horizontal pole mount
Aluminum alloy
117x226x194mm

DS-1275ZJ
Vertical pole mount
Aluminum alloy
117x143x194mm
* work with DS-1213ZJ

DS-1320HZ
Indoor Housing
ABS Plastic
110.9x108.7x300.2mm

DS-1213ZJ
Wall mount
Aluminum alloy
83x123.9x304mm

DS-1321HZ
Outdoor Housing
Aluminum alloy
113x143x452mm

DS-1322HZ-HW
Outdoor Housing
Aluminum alloy
113x143x452mm
* Fan, windscreen wiper, heater, AC24V power supply

DS-1322HZ-H
Outdoor Housing
Aluminum alloy
113x143x452mm
* Fan, heater, AC24V power supply



DS-1273ZJ-130B
Wall mount
Aluminum alloy
Φ130x182x120mm
* Including electric wire intake box

DS-1273ZJ-130
Wall mount
Aluminum alloy
Φ130x182x120mm

DS-1275ZJ
Vertical pole mount
Aluminum alloy
117x143x194mm
* work with DS-1273ZJ-130

DS-1276ZJ
Corner mount
Aluminum alloy
158x173mm
* work with DS-1273ZJ-130



DS-1227ZJ
In-ceiling mount
Aluminum alloy
Φ210x90mm

DS-1271ZJ-130
Pendant mount
Aluminum alloy
Φ130x545mm

DS-1268ZJ
Pendant mount
Aluminum alloy
Φ139x500mm



DS-1275ZJ
Vertical pole mount
Aluminum alloy
117x143x194mm
* work with DS-1273ZJ-130

DS-1273ZJ-160
Wall mount
Aluminum alloy
Φ160x182x120mm

DS-1275ZJ
Vertical pole mount
Aluminum alloy
117x143x194mm
* work with DS-1273ZJ-130

DS-1273ZJ-160B
Wall mount
Aluminum alloy
Φ160x182x120mm
* Including electric wire intake box

DS-1276ZJ
Corner mount
Aluminum alloy
158x173mm
* work with DS-1273ZJ-130



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