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VIVOTEK

FD8366-V

Fixed Dome Network Camera

2MP • 15M IR • Smart IR • Smart Stream II • IP66 • IK10 • NEMA 4X

VIVOTEK's FD8366-V is a compact 2-megapixel IR dome network camera equipped to provide 30 frames per second at H.264 compression. With IP66, IK10 and NEMA 4X-rated rugged design, the camera will withstand shocks, vibration, humidity, dust, and even extreme temperature fluctuations to maintain stable and reliable video no matter how harsh the environment.

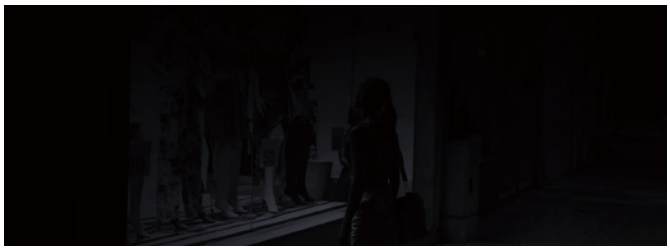
Armed with built-in IR illumination, the FD8366-V delivers superior image quality for up to 15 meters in total darkness. This all-in-one camera meets a diverse array of needs for outdoor surveillance applications, from retail stores to health care facilities.

Employing VIVOTEK's Smart Stream II technology, the FD8366-V can reduce both bandwidth and storage consumption by up to 50%* while maintaining high standards of image quality. Power over Ethernet (PoE) functionality means the camera can be operated and powered via a single Ethernet cable, allowing greater ease, and lower cost, of installation. Further, in order to facilitate on-board storage, data portability, and localized backup, the camera is equipped with a MicroSD/SDHC/SDXC card slot for local recording.

* Depending on scenes

Key Features

- 30 fps @ 1920x1080
- Built-in IR Illuminators up to 15 meters
- Smart IR Technology to Avoid Overexposure
- Smart Stream II to Optimize Bandwidth Efficiency
- Weather-proof IP66-, Vandal-proof IK10- and NEMA 4X-rated Housing
- Built-in 802.3af Compliant PoE
- Build-in MicroSD/SDHC/SDXC Card Slot for On-board Storage



IR Off

IR On

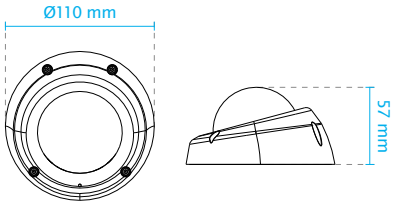
Technical Specifications

Model	FD8366-V(2.8mm): f = 2.8 mm FD8366-V(3.6mm): f = 3.6 mm
System Information	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
Camera Features	
Image Sensor	1/2.9" Progressive CMOS
Max. Resolution	1920x1080
Lens Type	Fixed-focal
Focal Length	FD8366-V(2.8mm): f = 2.8 mm FD8366-V(3.6mm): f = 3.6 mm
Aperture	FD8366-V(2.8mm): F1.8 FD8366-V(3.6mm): F2.1
Iris type	Fixed-iris
Field of View	FD8366-V(2.8mm): 113° (Horizontal) 63° (Vertical) 136° (Diagonal) FD8366-V(3.6mm): 77° (Horizontal) 41° (Vertical) 82° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Enhanced
Day/Night	Yes
Removable IR-cut filter	Yes
IR Illuminators	Built-in IR Illuminators up to 15 meters, IR LED*4
Minimum Illumination	FD8366-V(2.8mm): 0.16 Lux @ F1.8 (Color) < 0.01 Lux @ F1.8 (B/W) 0 Lux with IR illumination on FD8366-V(3.6mm): 0.18 Lux @ F2.1 (Color) < 0.01 Lux @ F2.1 (B/W) 0 Lux with IR illumination on
Tilt Range	0° ~ 80°
Pan/Tilt/Zoom Functionalities	ePTZ: 48x digital zoom (4x on IE plug-in,12x built in)
On-board Storage	Slot type: MicroSD/SDHC/SDXC card slot Seamless Recording
Video	
Compression	H.264, MJPEG
Maximum Frame Rate	30 fps @ 1920x1080 60 fps @ 1280x720
Maximum Streams	4 simultaneous streams
S/N Ratio	FD8366-V(2.8mm): 50dB FD8366-V(3.6mm): 56dB
Dynamic Range	70dB
Video Streaming	Adjustable resolution, quality and bitrate; Smart Stream II
Image Settings	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, 3DNR, video rotation, defog
Audio	
Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	Built-in microphone
Effective Range	5 meters
Network	
Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X, UDP, ICMP, ARP, TLS, NTCIP, CIFS/SMB
Interface	10 Base-T/100 Base-TX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org
Intelligent Video	
Video Motion Detection	Five-window video motion detection
Alarm and Event	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD Card File upload via HTTP, SMTP, FTP, NAS server and MicroSD Card
General	
Connectors	RJ-45 cable connector for 10/100Mpbs Network/PoE connection Built-in microphone*1 Digital input*1
LED Indicator	System power and status indicator
Power Input	IEEE 802.3af PoE Class 0
Power Consumption	Max. 5.3 W
Dimensions	Ø 110 x 57 mm
Weight	370 g
Casing	IP66, IK10, NEMA 4X
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick, NEMA 4X, UL
Operating Temperature	Starting Temperature: -25°C ~ 55°C (-13°F ~ 131°F) Working Temperature: -25°C ~ 55°C (-13°F ~ 131°F)
Humidity	90%

Technical Specifications

Warranty	24 months
System Requirements	
Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above
Included Accessories	
Others	Quick installation guide, warranty card, alignment sticker, screwdriver, accessories bag

Dimensions



Compatible Accessories

Cable

AO-005
Power Cable with DI
(60 cm)

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