VIVOTEK
BUILT WITH RELIABILITY

IP7142

Fixed Network Camera

WDR • Outdoor • Day&Night

VIVOTEK's IP7142 network camera features a WDR (Wide Dynamic Range) CMOS sensor to cope with challenging lighting conditions. The WDR feature captures both the dark and bright parts of an image and combines the differences to generate a highly realistic image representative of the original scene, enabling it to provide video quality close to the capabilities of the human eye. This function enables the IP7142 to be widely applied in high contrast environments such as lobby entrances, parking lots, ATMs, loading areas, and much more.

The day and night function and the IP66-rated integrated housing of the IP7142 enable users to easily build a cost-effective IP surveillance system without additional accessories. Incorporating an IR-cut filter that can be removed automatically at night and built-in IR illuminators with coverage for up to 15 meters, the IP7142 is an outstanding 24-hour surveillance solution. Meanwhile, the IP66-rated integrated housing shields the camera from dust and water, allowing it to be applied in the harsh weather conditions of outdoor environments.

Other advanced features of the IP7142 include simultaneous dual streams, 3GPP mobile surveillance, 802.3af compliant PoE, two-way audio by SIP protocol, RS-485 interface for scanners or pan/tilts driver connection, and HTTPS encrypted data transmission.

Features

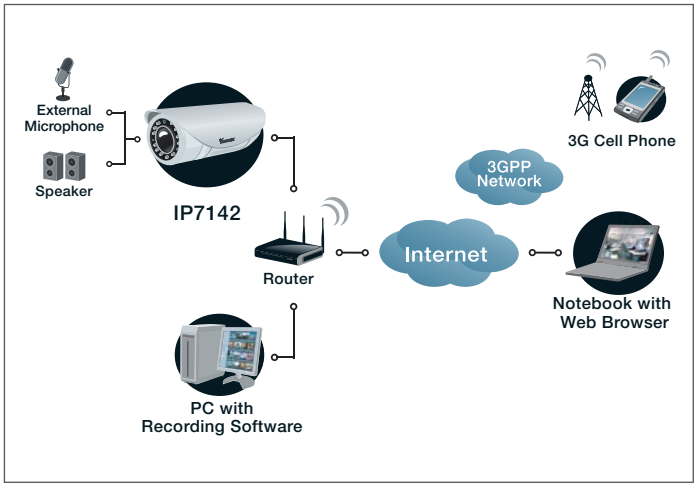
- Wide Dynamic Range CMOS Sensor
- 3.3 ~ 12 mm Vari-focal Lens
- Removable IR-cut Filter for Day & Night Function
- Built-in IR Illuminators, effective up to 15 Meters
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Dual Streams Simultaneously
- Weather-proof IP66-rated Housing
- Built-in 802.3af Compliant PoE
- Two-way Audio via SIP Protocol
- Digital I/O for External Sensor and Alarm
- RS-485 Interface for Scanners, Pan/Tilts

Specifications

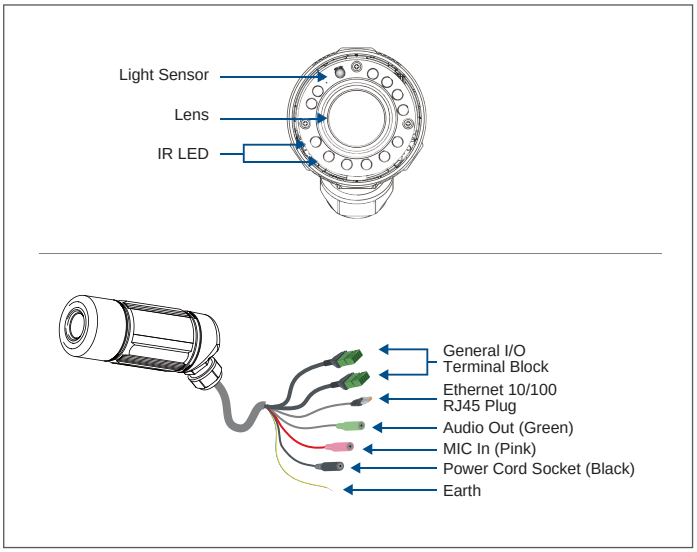
System	· CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4
Lens	· Board lens, vari-focal, f = 3.3 ~ 12 mm, F1.4 (wide), F2.9 (tele), focus range: 50 cm to infinity · Removable IR-cut filter for day & night function
Angle of View	· 23.9° ~ 89.8° (horizontal) · 17.9° ~ 63.6° (vertical)
Shutter Time	· 1/5 sec. to 1/15000 sec.
Image Sensor	· 1/3.3" Wide Dynamic Range CMOS sensor in 720x480 resolution
Minimum Illumination	· 0.68 Lux / F1.4 · 0 Lux / F1.4 (IR LED on)
IR Illuminators	· Built-in IR illuminators, effective up to 15 meters
Video	· Compression: MJPEG & MPEG-4 · Streaming: Simultaneous dual streams MPEG-4 streaming over UDP, TCP or HTTP MPEG-4 multicast streaming MJPEG streaming over HTTP · Supports 3GPP mobile surveillance · Frame rates: MPEG-4: Up to 25 fps at 720x480 MJPEG: Up to 25 fps at 720x480
Image Settings	· Adjustable image size, quality and bit rate · Time stamp and text caption overlay · Flip & mirror · Configurable brightness, contrast, saturation, and hue · AGC, AWB, AEC (Automatic Exposure Control), WDR · Automatic or manual day/night mode · Supports privacy masks
Audio	· Compression: GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps · Interface: External microphone input Audio output · Supports two-way audio via SIP protocol · Supports audio mute
Networking	· 10/100 Mbps Ethernet, RJ-45 · Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP,SMTP, FTP, DHCP, NTP, DNS, DDNS and PPPoE
Alarm and Event Management	· Triple-window video motion detection · One D/I and one D/O for external sensor and alarm · Event notification using HTTP, SMTP or FTP · Local recording of MP4 file
Security	· Muilti-level user access with password protection · IP address filtering
Users	· Live viewing for up to 10 clients
Dimension	· Ø 70 mm x 182 mm
Weight	· Net: 969 g
LED Indicator	· System restore status indicator
Power	· 12V DC · 24V AC · Power consumption: Max. 6 W · 802.3af compliant Power-over-Ethernet

Housing	· Weather-proof IP66-rated housing
Approvals	· CE, LVD, FCC, VCCI, C-Tick
Operating Environments	· Temperature: -20 ~ 60 °C (-4 ~ 140 °F) · Humidity: 20% ~ 80% RH
Viewing System Requirements	· OS: Microsoft Windows 2000/XP/Vista · Browser: Internet Explorer 6.x or above · Cell phone: 3GPP player · Real Player: 10.5 or above · Quick Time: 6.5 or above
Installation, Management, and Maintenance	· RS-485 interface for scanners, pan/tilts · Installation Wizard 2 · 16-CH recording software · Supports firmware upgrade
Applications	· SDK available for application development and system integration
Warranty	· 24 months

System Overview



External View



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P/N: 011001301 Ver 2.1

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