



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 via SIP protocol, RS-485 interface for scanners or pan/tilts driver connection, and HTTPS encrypted data transmission.

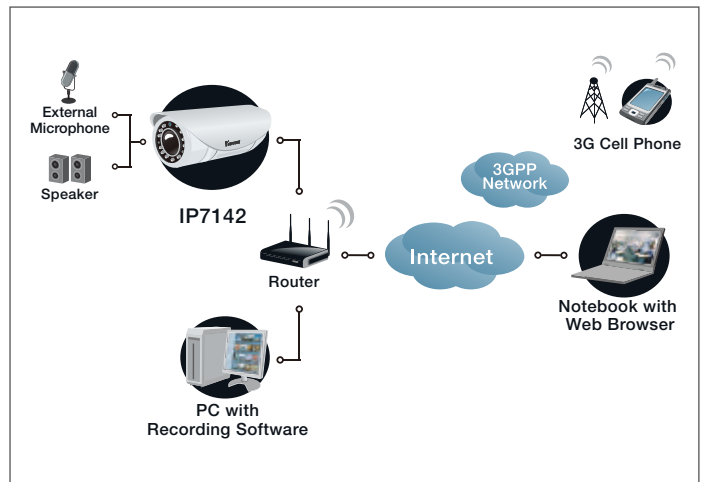
Features

- > Wide Dynamic Range CMOS Sensor
- > 3.3 ~ 12 mm Vari-focal Lens
- > Removeable 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)
- > Simultaneous Dual Streams
- > 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

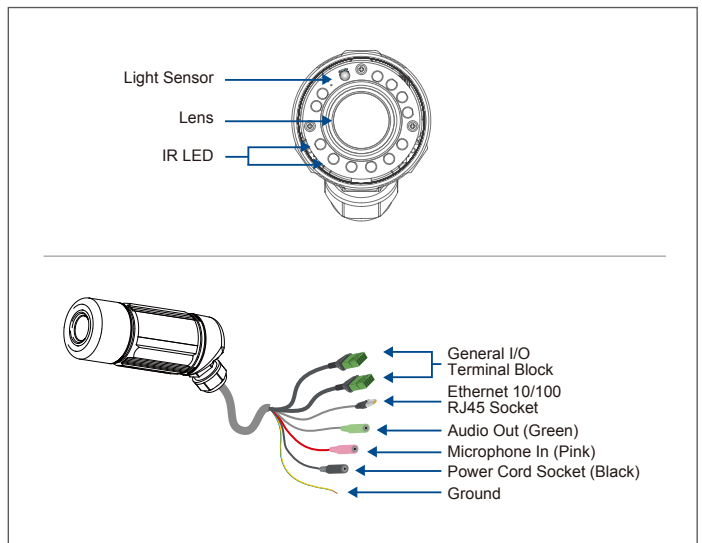
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|----------------------------|--|
| System | <ul style="list-style-type: none"> · CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4 |
| Lens | <ul style="list-style-type: none"> · Board lens, vari-focal, f = 3.3 ~ 12 mm, F1.4 (wide), F2.9 (tele), focus range: 50 cm to infinity · Removable IR-cut filter for day & night function |
| Angle of View | <ul style="list-style-type: none"> · 23.9° ~ 89.8° (horizontal) · 17.9° ~ 63.6° (vertical) |
| Shutter Time | <ul style="list-style-type: none"> · 1/5 sec. to 1/15000 sec. |
| Image Sensor | <ul style="list-style-type: none"> · 1/3.3" Wide Dynamic Range CMOS sensor in 720x480 resolution |
| Minimum Illumination | <ul style="list-style-type: none"> · 0.68 Lux / F1.4 · 0 Lux / F1.4 (IR LED on) |
| IR Illuminators | <ul style="list-style-type: none"> · Built-in IR illuminators, effective up to 15 meters · IR LED*12 |
| Video | <ul style="list-style-type: none"> · 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: <ul style="list-style-type: none"> · MPEG-4: Up to 25 fps at 720x480 · MJPEG: Up to 30 fps at 720x480 |
| Image Settings | <ul style="list-style-type: none"> · Adjustable image size, quality and bit rate · Time stamp and text caption overlay · Flip & mirror · Configurable brightness, contrast, saturation and hue · AGC, AWB, AES · WDR (Wide Dynamic Range) · Automatic, manual or scheduled day/night mode · Supports privacy masks |
| Audio | <ul style="list-style-type: none"> · Compression: <ul style="list-style-type: none"> · 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: <ul style="list-style-type: none"> · External microphone input · Audio output · Supports two-way audio via SIP protocol · Supports audio mute |
| Networking | <ul style="list-style-type: none"> · 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 | <ul style="list-style-type: none"> · 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 | <ul style="list-style-type: none"> · Multi-level user access with password protection · IP address filtering |
| Users | <ul style="list-style-type: none"> · Live viewing for up to 10 clients |
| Dimension | <ul style="list-style-type: none"> · Ø 70 mm x 182 mm |
| Weight | <ul style="list-style-type: none"> · Net: 969 g |
| LED Indicator | <ul style="list-style-type: none"> · System restore status indicator |
| Power | <ul style="list-style-type: none"> · 12V DC · 24V AC · Power consumption: Max. 6 W · 802.3af compliant Power-over-Ethernet |

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|---|---|
| Housing | <ul style="list-style-type: none"> · Weather-proof IP66-rated housing |
| Approvals | <ul style="list-style-type: none"> · CE, LVD, FCC, VCCI, C-Tick |
| Operating Environments | <ul style="list-style-type: none"> · Temperature: -20 ~ 60 °C (-4 ~ 140 °F) · Humidity: 20% ~ 80% RH |
| Viewing System Requirements | <ul style="list-style-type: none"> · OS: Microsoft Windows 7/Vista/XP/2000 · 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 | <ul style="list-style-type: none"> · RS-485 interface for scanners, pan/tilts · Installation Wizard 2 · 32-CH ST7501 recording software · Supports firmware upgrade |
| Applications | <ul style="list-style-type: none"> · SDK available for application development and system integration |
| Warranty | <ul style="list-style-type: none"> · 24 months |

System Overview



External View



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