

# IP8330

## Network Bullet Camera

**H.264 • Outdoor • Supreme Night Visibility**



VIVOTEK IP8330 is the best bullet-style network camera offering supreme night visibility for diverse outdoor applications. Featuring up to an unbelievable 60fps at VGA resolution and exceptional low light sensitivity down to 0.1 lux, the VIVOTEK IP8330 captures impressively smooth and crystal-clear video, even at nighttime. In order to adapt to constantly changing outdoor lighting conditions, the IP8330 also features a removable IR-cut filter as well as IR illuminators for superior image quality around the clock. With the Advanced Color Reproduction technology, users need to look no further for an all-in-one outdoor camera capable of capturing high quality, vivid video for both day and night.

For protection against harsh outdoor environments, the camera comes in an IP66-rated housing and weather-proof casing to withstand rain and dust. The IP8330 also supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With H.264, MPEG-4, and MJPEG compatibility all included, multiple streams can be simultaneously transmitted in any of these formats at different resolutions, frame rates, and image qualities for versatile applications. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further optimizing bandwidth and storage.

Incorporating a number of advanced features standard for VIVOTEK cameras, including tamper detection, 802.3af compliant PoE, SD/SDHC card slot, and VIVOTEK's 32-channel recording software, the IP8330 is the ideal solution for outdoor surveillance with the highest value.

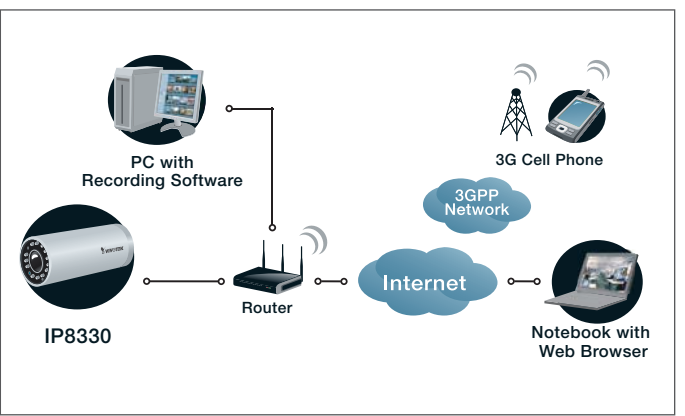
## Features

- > Supreme Night Visibility
- > Vivid and Faithful Color Performance
- > Up to 60 fps@640 x 480
- > Removable IR-cut Filter for Day and Night Function
- > Built-in IR Illuminators, Effective up to 15 Meters
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Weather-proof IP66-rated Housing
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Built-in MicroSD/SDHC Card Slot for On-board Storage
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

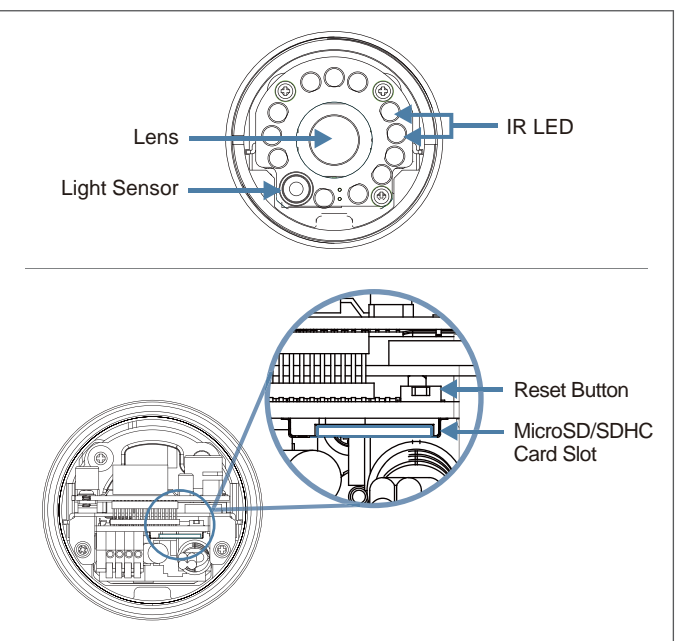
System	<ul style="list-style-type: none"> <li>CPU: TI DM365 SoC</li> <li>Flash: 128MB</li> <li>RAM: 256MB</li> <li>Embedded OS: Linux 2.6</li> </ul>
Lens	<ul style="list-style-type: none"> <li>Board lens, f = 4 mm, F1.6, Fixed</li> <li>IR corrected</li> <li>Removable IR-cut filter for day &amp; night function</li> </ul>
Angle of View	<ul style="list-style-type: none"> <li>46.6° (horizontal)</li> <li>35.4° (vertical)</li> <li>57.7° (diagonal)</li> </ul>
Shutter Time	<ul style="list-style-type: none"> <li>1/5 sec. to 1/15,000 sec.</li> </ul>
Image Sensor	<ul style="list-style-type: none"> <li>1/4" CMOS sensor in VGA resolution</li> </ul>
Minimum Illumination	<ul style="list-style-type: none"> <li>Supreme Night Visibility - below 0.1 Lux @ 10 IRE, F1.6, 1/5 s exposure time</li> <li>0 Lux @ F1.6 (IR LED on)</li> </ul>
IR Illuminators	<ul style="list-style-type: none"> <li>Built-in IR illuminators, effective up to 15 meters</li> <li>IR LED*12</li> </ul>
Video	<ul style="list-style-type: none"> <li>Compression: H.264, MJPEG &amp; MPEG-4</li> <li>Streaming:                             <ul style="list-style-type: none"> <li>Simultaneous multiple streams</li> <li>H.264 streaming over UDP, TCP, HTTP or HTTPS</li> <li>MPEG-4 streaming over UDP, TCP, HTTP or HTTPS</li> <li>MPEG-4 multicast streaming</li> <li>MJPEG streaming over HTTP or HTTPS</li> </ul> </li> <li>Supports activity adaptive streaming for dynamic frame rate control</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates:                             <ul style="list-style-type: none"> <li>H.264: Up to 60 fps at 640x480</li> <li>MPEG-4: Up to 60 fps at 640x480</li> <li>MJPEG: Up to 60 fps at 640x480</li> </ul> </li> </ul>
Image Settings	<ul style="list-style-type: none"> <li>Adjustable image size, quality and bit rate</li> <li>Time stamp and text caption overlay</li> <li>Flip &amp; mirror</li> <li>Configurable brightness, contrast, saturation, sharpness and white balance</li> <li>AGC, AWB, AES</li> <li>Automatic, manual or scheduled day/night mode</li> <li>Supports privacy masks</li> </ul>
Networking	<ul style="list-style-type: none"> <li>10/100 Mbps Ethernet, RJ-45</li> <li>Onvif Support</li> <li>Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1X</li> </ul>
Alarm and Event Management	<ul style="list-style-type: none"> <li>Triple-window video motion detection</li> <li>Tamper detection</li> <li>One D/I for external sensor</li> <li>Event notification using HTTP, SMTP or FTP</li> <li>Local recording of MP4 file</li> </ul>
On-board Storage	<ul style="list-style-type: none"> <li>MicroSD/SDHC card slot</li> <li>Stores snapshots and video clips</li> </ul>
Security	<ul style="list-style-type: none"> <li>Multi-level user access with password protection</li> <li>IP address filtering</li> <li>HTTPS encrypted data transmission</li> <li>802.1X port-based authentication for network protection</li> </ul>
Users	<ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>
Dimension	<ul style="list-style-type: none"> <li>Ø 60 mm x 170 mm</li> </ul>
Weight	<ul style="list-style-type: none"> <li>Net: 702 g</li> </ul>
Power	<ul style="list-style-type: none"> <li>12V DC</li> <li>24V AC</li> <li>Power consumption: Max. 4 W</li> <li>802.3af compliant Power-over-Ethernet (Class 2)</li> </ul>
Housing	<ul style="list-style-type: none"> <li>Weather-proof IP66-rated housing</li> </ul>

Approvals	<ul style="list-style-type: none"> <li>CE, LVD, FCC, VCCI, C-Tick</li> </ul>
Operating Environments	<ul style="list-style-type: none"> <li>Temperature: -20 ~ 50 °C (-4 ~ 122 °F)</li> <li>Humidity: 90% RH</li> </ul>
Viewing System Requirements	<ul style="list-style-type: none"> <li>OS: Microsoft Windows 7/Vista/XP/2000</li> <li>Browser: Mozilla Firefox, Internet Explorer 6.x or above</li> <li>Cell phone: 3GPP player</li> <li>Real Player: 10.5 or above</li> <li>Quick Time: 6.5 or above</li> </ul>
Installation, Management, and Maintenance	<ul style="list-style-type: none"> <li>Installation Wizard 2</li> <li>32-CH ST7501 recording software</li> <li>Supports firmware upgrade</li> </ul>
Applications	<ul style="list-style-type: none"> <li>SDK available for application development and system integration</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>12 months</li> </ul>

## System Overview



## External and Internal View



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