

# IP8352

## Fixed Network Camera

**Supreme Night Visibility • 1.3 MP • Exceptional 60 fps**



VIVOTEK IP8352 is a best-in-class 1.3-Megapixel bullet camera designed for diverse outdoor applications. Incorporated with a progressive scan CMOS sensor with exceptional low lux capabilities, the IP8352 captures not only razor-sharp images of fast-moving objects during the daytime, but also offers unparalleled night visibility under low light conditions.

Equipped with VIVOTEK's self-developed next-generation "Mozart 380" SoC, the IP8352 supports high-performance H.264/MPEG-4/MJPEG compression technology and offers extra smooth video quality with resolution up to 720p @ 60 fps and 1.3MP @ 30fps. Furthermore, the IP8352 boasts a number of innovative technologies, including Video Cropping, Activity Adaptive Streaming, and Gigabit Ethernet Transmission, giving a user the utmost in bandwidth flexibility and storage efficiency.

To adapt to constantly changing lighting conditions, the IP8352 comes with a removable IR-cut filter and built-in IR illuminators for both day and night applications. Its IP66-rated housing protects the camera body against rain and dust and ensures operation under extreme weather conditions. For neat installation and prevention of tampering and vandalism, the IP8352 is also packaged with a mounting bracket that conceals all cabling.

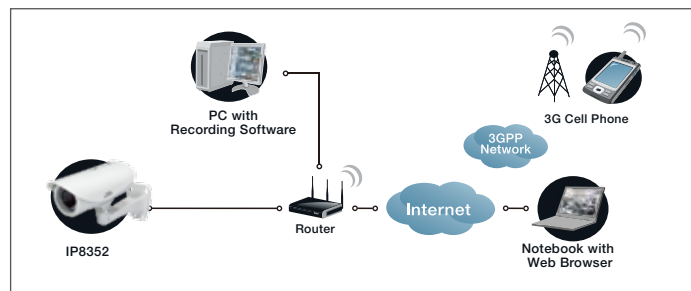
With other advanced features such as tamper detection, 802.3af compliant PoE, SD/SDHC card slot for on-board storage, Gigabit Ethernet Transmission, plus Supreme Night Visibility and 60fps high definition video quality, the IP8352 is the best choice for the most demanding outdoor surveillance applications such as parking lots, entrances, housing communities, and much more.

## Features

- > 1.3-megapixel Progressive Scan CMOS Sensor
- > Supreme Night Visibility
- > Up to 60 fps @ 720p HD;  
Up to 30 fps @ 1280x1024 (1.3MP)
- > Removeable IR-cut Filter for Day & Night Function
- > Built-in IR Illuminators, Effective up to 15 Meters
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Weather-proof IP66-rated Housing
- > Built-in 802.3af Compliant PoE (Class 3)
- > Built-in MicroSD/SDHC card slot for On-board Storage
- > Supports Gigabit Ethernet Data Transmission
- > Mounting Bracket with Cable Management for Protected Installation

|                      |  |   |  |
|----------------------|--|---|--|
| System               | <ul style="list-style-type: none"> <li>CPU: Mozart 380 SoC</li> <li>Flash: 16MB</li> <li>RAM: 256MB</li> <li>Embedded OS: Linux 2.6</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 and one D/O for external sensor and alarm</li> <li>Event notification using HTTP, SMTP or FTP</li> <li>Local recording of MP4 file</li> </ul> |
| Lens                 | <ul style="list-style-type: none"> <li>Board lens, vari-focal, f= 3 ~ 9 mm, F1.2 (wide), F2.1 (tele), auto-iris</li> <li>Removable IR-cut filter for day &amp; night function</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>   |
| Angle of View        | <ul style="list-style-type: none"> <li>31.7° ~ 93.0° (horizontal)</li> <li>23.8° ~ 68.4° (vertical)</li> </ul>   | Security                                  | <ul style="list-style-type: none"> <li>Muulti-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>                        |
| Shutter Time         | <ul style="list-style-type: none"> <li>1/60 sec. to 1/60,000 sec</li> </ul>  | Users                                     | <ul style="list-style-type: none"> <li>Live viewing for up to 10 clients</li> </ul>  |
| Image Sensor         | <ul style="list-style-type: none"> <li>1/3" progressive scan CMOS sensor in 1280x1024 resolution</li> </ul>  | Dimension                                 | <ul style="list-style-type: none"> <li>Camera: Ø 70 mm x 186 mm</li> <li>Cable length: 520 mm</li> <li>Cable diameter: Ø 7.2 mm; Max width: Ø 14 mm</li> </ul>   |
| Minimum Illumination | <ul style="list-style-type: none"> <li>0.4 Lux / F1.2</li> <li>0 Lux / F1.2 (IR LED on)</li> </ul>   | Weight                                    | <ul style="list-style-type: none"> <li>Net: 805 g</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>   | LED Indicator                             | <ul style="list-style-type: none"> <li>System power and status indicator</li> <li>System activity and network link indicator</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>Multiple simultaneous 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>H.264/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 video cropping for bandwidth saving</li> <li>Supports ePTZ for data efficiency</li> <li>Supports 3GPP mobile surveillance</li> <li>Frame rates :                             <ul style="list-style-type: none"> <li>H.264:                                     <ul style="list-style-type: none"> <li>Up to 60 fps at 1280 X 720</li> <li>Up to 30 fps at 1280 X 1024</li> </ul> </li> <li>MPEG-4:                                     <ul style="list-style-type: none"> <li>Up to 60 fps at 1280 X 720</li> <li>Up to 30 fps at 1280 X 1024</li> </ul> </li> <li>MJPEG:                                     <ul style="list-style-type: none"> <li>Up to 60 fps at 1280 X 720</li> <li>Up to 30 fps at 1280 X 1024</li> </ul> </li> </ul> </li> </ul> | Power                                     | <ul style="list-style-type: none"> <li>12V DC</li> <li>24V AC</li> <li>Power consumption: Max. 10 W</li> <li>802.3af compliant Power-over-Ethernet (Class 3)</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, white balance and exposure</li> <li>AGC, AWB, AES</li> <li>Automatic, manual or scheduled day/night mode</li> <li>BLC (Backlight Compensation)</li> <li>Supports privacy masks</li> </ul>  | Housing                                   | <ul style="list-style-type: none"> <li>Weather-proof IP66-rated housing</li> </ul>   |
| Audio                | <ul style="list-style-type: none"> <li>Compression:                             <ul style="list-style-type: none"> <li>GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps</li> <li>MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps</li> <li>G.711 audio encoding, bit rate: 64 kbps, <math>\mu</math>-Law or A-Law mode selectable</li> </ul> </li> <li>Interface:                             <ul style="list-style-type: none"> <li>External microphone input</li> <li>Audio output</li> <li>Supports two-way audio</li> <li>Supports audio mute</li> </ul> </li> </ul>  | Approvals                                 | <ul style="list-style-type: none"> <li>CE, LVD, FCC, VCCI, C-Tick, UL</li> </ul>   |
| Networking           | <ul style="list-style-type: none"> <li>10/100/1000 Mbps Gigabit Ethernet, RJ-45</li> <li>Onvif support</li> <li>Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTMP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X</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>Mounting bracket with cable concealment</li> <li>RS-485 interface for scanners, pan/tilts</li> <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>36 months</li> </ul>  |

## System Overview



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