



Fixed Network Camera

IP8161-SS

2-Megapixel • H.264 • Day & Night



VIVOTEK IP8161-SS is a professional-series fixed network camera featuring superb image quality and exceptional bandwidth efficiency. It is especially suitable for wide open spaces such as building entrances and airports, or applications requiring accurate identification, such as human faces in banks or vehicle license plates in parking lots.

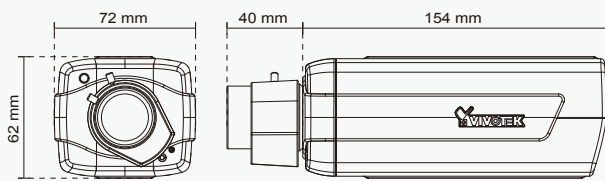
Featuring a 2-Megapixel sensor, this camera is able to provide a wide field of view with exceptional detail when compared to a standard VGA camera, significantly reducing the number of camera installations. The ePTZ function enables users to focus on close-up shots of different areas in the camera's view without moving the camera physically. Users can quickly move to a target area by simply clicking on the video feed from the camera on their screen. In addition, the IP8161-SS can deliver user-defined thumbnails for viewing instead of video of an entire scene so as to optimize bandwidth and storage efficiency.

The IP8161-SS supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility, video streams can also be transmitted in either of these formats for versatile applications. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further reducing bandwidth and storage requirements. Users can receive multiple streams simultaneously in different resolutions, frame rates and image qualities for viewing on different platforms.

Thanks to its day and night function achieved by a built-in removable IR-cut filter, the IP8161-SS is able to maintain clear images 24 hours a day. Additionally, the IP8161-SS camera incorporates an adjustment ring to improve lens compatibility with either C- or CS-mount lens, providing system integrators with more flexibility and hassle-free installation for different applications.

The integrated BNC connector allowing the IP8161-SS to be connected directly to an analog monitor provides enhanced flexibility and usability and ease of installation. Together with PoE, QoS, activity adaptive streaming, and the included 32-CH central management software, the IP8161-SS is indisputably the top choice for reliable and high performance surveillance.

Technical Specifications

System - CPU: TI DM365 SoC - Flash: 128MB - RAM: 256MB - Embedded OS: Linux 2.6	Networking 10/100 Mbps Ethernet, RJ-45 - 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 - Onvif Support
Lens - CS-mount, vari-focal, f = 3.1 ~ 8 mm, F1.2, auto-iris - Removable IR-cut filter for day & night function	Alarm and Event Management - Triple-window video motion detection - Tamper 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
Angle of View 32.9° ~ 80.6° (horizontal) 24.7° ~ 60.0° (vertical) 41.0° ~ 102.1° (diagonal)	Security - Multi-level user access with password protection - IP address filtering - HTTPS encrypted data transmission 802.1X port-based authentication for network protection
Shutter Time 1/5 sec. to 1/40,000 sec.	Users Live viewing for up to 10 clients
Image Sensor 1/3.2" CMOS sensor in 1600x1200 resolution	Weight Net: 664 g
Minimum Illumination 0.001 Lux / F1.2 (B/W)	LED Indicator - System power and status indicator - System activity and network link indicator
Video - Compression: H.264, MPEG-4 & MJPEG - Streaming: - Simultaneous multiple streams - H.264 streaming over UDP, TCP, HTTP or HTTPS - MPEG-4 streaming over UDP, TCP, HTTP or HTTPS - MPEG-4 multicast streaming - MJPEG streaming over HTTP or HTTPS - Supports activity adaptive streaming for dynamic frame rate control - Supports video cropping for bandwidth efficiency - Supports ePTZ for data efficiency - Supports 3GPP mobile surveillance - Frame rates: - H.264: - Up to 30 fps at 1280x720 - Up to 15 fps at 1600x1200 - MPEG-4: - Up to 30 fps at 1280x720 - Up to 15 fps at 1600x1200 - MJPEG: - Up to 30 fps at 1280x720 - Up to 15 fps at 1600x1200 - Interface: - BNC connector for video output - NTSC/PAL video output switch	Power 12V DC 24V AC - Power consumption: Max. 8 W 802.3af compliant Power-over-Ethernet
Image Settings - Adjustable image size, quality and bit rate - Time stamp and text caption overlay - Flip & mirror - Configurable brightness, contrast, saturation, sharpness, white balance and exposure - AGC, AWB, AES - Automatic, manual or scheduled day/night mode - BLC (Backlight Compensation) - Supports privacy masks	Approvals CE, LVD, FCC, VCCI, C-Tick
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 - G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable - Interface: - Built-in microphone - External microphone input - Audio output - External/Internal microphone switch - Supports two-way audio - Supports audio mute	Operating Environments - Temperature: 0 ~ 50 °C (32 ~ 122 °F) - Humidity: 90% RH
	Viewing System Requirements - OS: Microsoft Windows 7/Vista/XP/2000 - Browser: Mozilla Firefox, Internet Explorer 7.0 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 32-CH ST7501 recording software - Supports firmware upgrade
	Applications SDK available for application development and system integration
	Warranty 24 months
	Dimension 154 mm (D) x 72 mm (W) x 62 mm (H)
	

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