

IP8151

Fixed Network Camera

Supreme Night Visibility • Full Frame Rate • 1.3MP



VIVOTEK IP8151 is a professional-series fixed network camera, featuring 1.3-megapixel resolution with superb megapixel image quality and exceptional bandwidth efficiency. Equipped with SONY's latest sensor technology "ExMor", the IP8151 captures both exceptional details during daytime and offers unparalleled visibility under low-light conditions.

The IP8151 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 an array of applications. Additionally, the built-in SD/SDHC card slot offers a convenient and portable storage option to prevent data loss in case of network disconnection.

The IP8151 camera supports the industry-standard H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility also included, video streams can also be transmitted in any of these formats for versatile application. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further reducing bandwidth and storage requirements. Users can thus receive multiple streams simultaneously in different resolutions, frame rates, and image qualities for viewing on different platforms.

Data security with the IP8151 is further enhanced with HTTPS encryption and 802.1X authentication. Together with PoE, QoS, time-shift streaming, and the included 32-CH recording software, the IP8151 is indisputably the top choice for reliable and high performance surveillance.

Features

- > 1.3-megapixel CMOS Sensor
- > Supreme Night Visibility
- > Up to 30 fps@ 1280x1024
- > 3 ~ 8 mm Vari-focal, Auto-iris Lens
- > Removable IR-cut Filter for Day and Night Function
- > Real-time H.264, MPEG-4 and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > ePTZ for Data Efficiency
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Built-in SD/SDHC Card Slot for On-board Storage
- > Built-in 802.3af Compliant PoE
- > CS- or C-mount Adjustment Ring for Flexible Lens Installation
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

System	<ul style="list-style-type: none"> · CPU: TI DM365 SoC · Flash: 128MB · RAM: 256MB · Embedded OS: Linux 2.6 	Security	<ul style="list-style-type: none"> · Multi-level user access with password protection · IP address filtering · HTTPS encrypted data transmission · 802.1X port-based authentication for network protection
Lens	<ul style="list-style-type: none"> · CS-mount, vari-focal, f = 3 ~ 8 mm, F1.2, auto iris · Removable IR-cut filter for day & night function 	Users	<ul style="list-style-type: none"> · Live viewing for up to 10 clients
Angle of View	<ul style="list-style-type: none"> · 35.2° ~ 90.7° (horizontal) 	Dimension	<ul style="list-style-type: none"> · 154 mm (D) x 72 mm (W) x 62 mm (H)
Shutter Time	<ul style="list-style-type: none"> · 1/5 sec. to 1/40,000 sec. 	Weight	<ul style="list-style-type: none"> · Net: 664 g (Without lens)
Image Sensor	<ul style="list-style-type: none"> · 1/3" CMOS sensor in 1280x1024 resolution 	LED Indicator	<ul style="list-style-type: none"> · System power and status indicator · System activity and network link indicator
Minimum Illumination	<ul style="list-style-type: none"> · 0.1 Lux / F1.2 	Power	<ul style="list-style-type: none"> · 12V DC · 24V AC · Power consumption: Max. 3.6 W · 802.3af compliant Power-over-Ethernet (Class 2)
Video	<ul style="list-style-type: none"> · Compression: H.264, MJPEG & MPEG-4 · Streaming: <ul style="list-style-type: none"> · 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 ePTZ for data efficiency · Supports 3GPP mobile surveillance · Frame rates: <ul style="list-style-type: none"> · H.264: Up to 30 fps at 1280x1024 · MPEG-4: Up to 30 fps at 1280x1024 · MJPEG: Up to 30 fps at 1280x1024 · Interface: <ul style="list-style-type: none"> · BNC connector for video output · NTSC/PAL video output switch 	Approvals	<ul style="list-style-type: none"> · CE, LVD, FCC, VCCI, C-Tick
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, sharpness, white balance and exposure · AGC, AWB, AES · Automatic, manual or scheduled day/night mode · BLC (Backlight Compensation) · Supports privacy masks 	Operating Environments	<ul style="list-style-type: none"> · Temperature: 0 ~ 50° C (32 ~ 122° F) · Humidity: 90% RH
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 · G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable · Interface: <ul style="list-style-type: none"> · Built-in microphone · External microphone input · Audio output · External/Internal microphone switch · Supports two-way audio via SIP protocol · Supports audio mute 	Viewing System Requirements	<ul style="list-style-type: none"> · OS: Microsoft Windows 7/Vista/XP/2000 or above · Browser: Mozilla Firefox, Internet Explorer 6.x or above · Cell phone: 3GPP player · Real Player: 10.5 or above · Quick Time: 6.5 or above
Networking	<ul style="list-style-type: none"> · 10/100 Mbps Ethernet, RJ-45 · Onvif support · 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 	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
Alarm and Event Management	<ul style="list-style-type: none"> · 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 	Applications	<ul style="list-style-type: none"> · SDK available for application development and system integration
On-board Storage	<ul style="list-style-type: none"> · SD/SDHC card slot · Stores snapshots and video clips 	Warranty	<ul style="list-style-type: none"> · 24 months

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