

VS8102

1-CH Video Server

H.264 • SD/SDHC Card • Tamper Detection



VIVOTEK VS8102 is a 1-CH video server supporting the high-performance H.264 compression format that drastically reduces file sizes and conserves valuable bandwidth and storage space. Users can receive multiple streams simultaneously in different settings for viewing on different platforms such as PCs or mobile phones. With tamper detection support, cameras connected to the VS8102 will be able to detect camera tampering attempts in real time.

The integrated 802.3af compliant PoE function reduces cabling problems, making the VS8102 a cost-effective surveillance solution. It also provides 12V DC output power to drive the connected analog cameras, eliminating the need for separate power cables. The built-in SD/SDHC card slot offers a convenient and portable storage option to prevent data loss in case of network disconnection. Since all data can be stored on a SD/SDHC card, the on-board storage design significantly reduces bandwidth consumption.

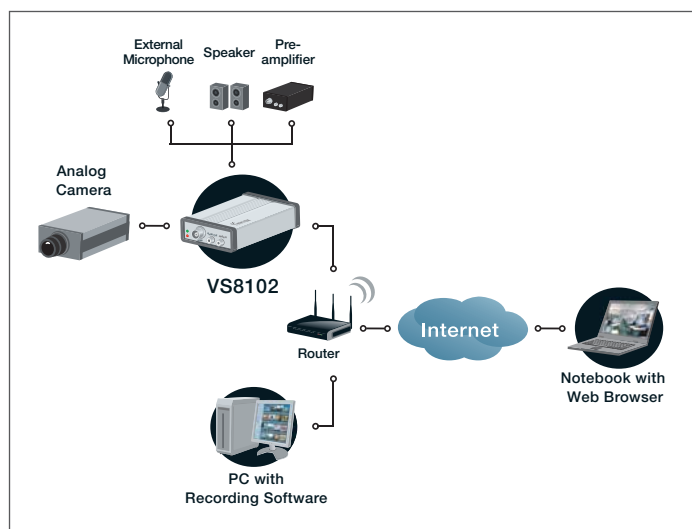
The VS8102 comes with VIVOTEK's ST7501 32-CH central management software for high scalability and easy-to-use operation. With the VS8102, you can upgrade to a full-featured, high-end IP surveillance solution using existing infrastructure.

Features

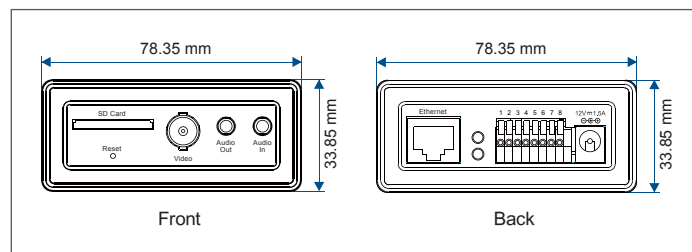
- > Up to 30 fps in D1 Resolution
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Multiple Streams Simultaneously
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP Protocol
- > HTTPS Encrypted Data Transmission
- > 802.1X Port-based Authentication for Network Protection
- > Digital I/O for External Sensor and Alarm
- > RS-485 Interface for Scanners, Pan/Tilts
- > Built-in SD/SDHC Card Slot for On-board Storage
- > DC 12V Output for Analog Cameras

System	<ul style="list-style-type: none"> CPU: TI DM365 SoC Flash: 128MB RAM: 128MB Embedded OS: Linux 2.6 	Dimension	<ul style="list-style-type: none"> 130 mm (D) x 78.35 mm (W) x 33.85 mm (H)
Camera Control	<ul style="list-style-type: none"> PTZ camera control through RS-485 Supported devices and protocols: DynaDome / SmartDome Pelco D LiLin Pelco P Samsung scc643 and customized types Supports CGI command serial driver 	Weight	<ul style="list-style-type: none"> 242 g
Video	<ul style="list-style-type: none"> Compression: H.264, MJPEG & MPEG-4 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 actively adaptive streaming for dynamic frame rate control Frame rates: H.264: Up to 30/25 fps at 720 x 480 (NTSC) /720 x 576 (PAL) MPEG-4: Up to 30/25 fps at 720 x 480 (NTSC) /720 x 576 (PAL) MJPEG: Up to 30/25 fps at 720 x 480 (NTSC) /720 x 576 (PAL) Interface: BNC connector for video output 	LED Indicator	<ul style="list-style-type: none"> System power and status indicator System activity and network link indicator
Image Settings	<ul style="list-style-type: none"> Adjustable image size, quality, and bit rate Time stamp, text caption, and frame rate overlay Flip & mirror Configurable brightness, contrast, saturation and sharpness Supports privacy masks 	Power	<ul style="list-style-type: none"> Power Input: 12V DC / 24V AC Power consumption: Max. 5W 802.3af compliant Power-over-Ethernet Power output: 12V DC (Max. 350mA)
Audio	<ul style="list-style-type: none"> Compression: GSM-AMR speech compression, bit rate: 4.75 kbps ~ 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps ~ 128 kbps Interface: Line level input: up to 1 Vrms Audio output Supports two-way audio via SIP protocol Supports audio mute 	Approvals	<ul style="list-style-type: none"> CE, LVD, FCC, VCCI, C-Tick
Networking	<ul style="list-style-type: none"> 10/100 Mbps Ethernet, RJ-45 ONVIF Supported 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 	Operating Environments	<ul style="list-style-type: none"> Temperature: 0 ~ 55 °C (32 ~ 131 °F) Humidity: 20% ~ 80% RH
Alarm and Event Management	<ul style="list-style-type: none"> Triple-window video for 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 	Viewing System Requirements	<ul style="list-style-type: none"> OS: Microsoft Windows 2000/XP/Vista 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
On-board Storage	<ul style="list-style-type: none"> SD/SDHC card slot Stores snapshots and video clips 	Installation, Management, and Maintenance	<ul style="list-style-type: none"> Installation Wizard 2 32-CH ST7501 central management software Supports firmware upgrade
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 	Applications	<ul style="list-style-type: none"> SDK available for application development and system integration
Users	<ul style="list-style-type: none"> Live viewing for up to 10 clients 	Warranty	<ul style="list-style-type: none"> 24 months

System Overview



External View



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