

VS8102

1-CH Video Server

H.264 • SD/SDHC Card • Intelligent Video



VIVOTEK VS8102 is a professional H.264 1-CH video server that helps you migrate from analog to digital surveillance system with ease. With the high-performance H.264 compression format, it drastically reduces the file sizes and conserves valuable bandwidth and storage space. Supporting simultaneous multiple streams, the video streams to be transmitted in either of H.264, MPEG-4 or MJPEG formats for versatile applications. The streams can also be individually configured with separate frame rates, resolution, and image quality so as to meet different platforms or bandwidth constraints.

With built-in intelligent video functions, such as motion detection & tempering detection, VS8102 is capable of upgrading an analog camera into an intelligent camera. The tamper detection function can detect events such as blockage, redirection, defocus, and spray-painting of camera lens, making it an intelligent solution to possible camera obstruction. Furthermore, the network security protocols, HTTPS and 802.1x, also upgrades the security level of the IP surveillance system.

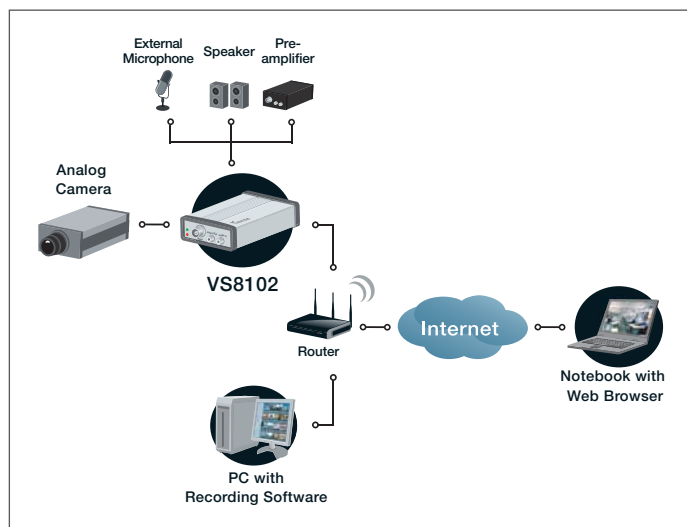
There are several power management designs built in the VS8102, such as PoE (Power over Ethernet), DC 12V output for analog cameras, and AC 24V compatible design. These features make the VS8102 easy to install and integrate with the existing analog system. The built-in SD/SDHC card slot offers a convenient and portable storage option to prevent data loss in case of network disconnection. The VS8102 also comes with VIVOTEK's ST7501 32-CH central management software for high scalability and easy-to-use operation. The VS8102 helps you easily upgrade to a full-featured, high-end IP surveillance solution using existing infrastructure.

Features

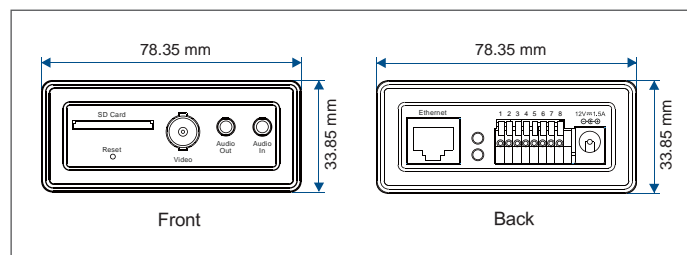
- > Up to 30 fps in D1 Resolution
- > Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
- > Simultaneous Multiple Streams
- > Activity Adaptive Streaming for Dynamic Frame Rate Control
- > Tamper Detection for Unauthorized Changes
- > Built-in 802.3af Compliant PoE
- > Two-way Audio via SIP 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
- > DC 12V / AC 24V Compatible Power Input
- > Supports ONVIF Standard to Simplify Integration and Enhance Interoperability

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"> Net: 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 MJPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports activity 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 G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable 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 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 	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 7/Vista/XP/2000 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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