VIVOTEK
BUILT WITH RELIABILITY

Onvif

VS8102
1-CH Video Server

1-CH · D1 · SD/SDHC Card

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 recording 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.
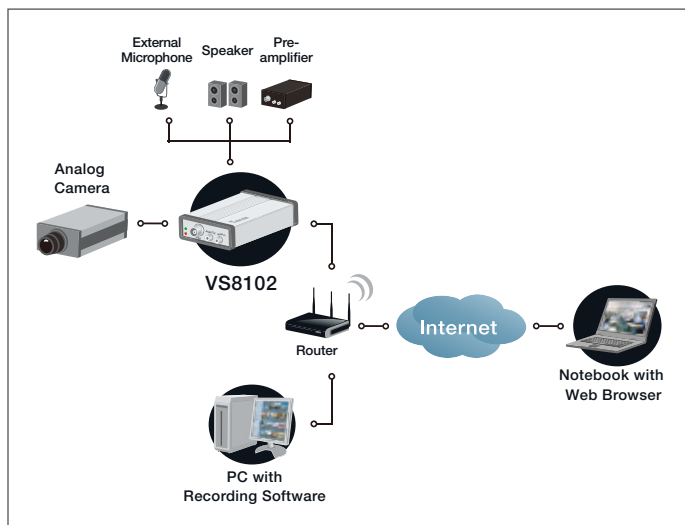
Features

> Up to 30 fps in D1 Resolution
> Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
> Two-way Audio
> RS-485 Interface for PTZ Camera Control
> DC 12V Output for Analog Cameras
> DC 12V / AC 24V Compatible Power Input
> Built-in 802.3af Compliant PoE
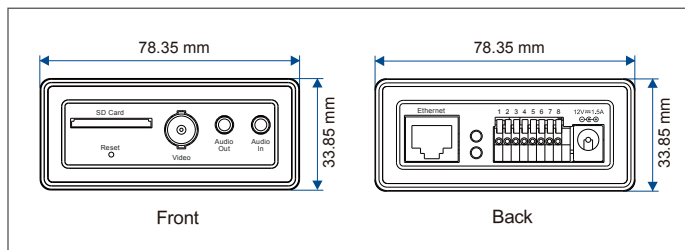> Built-in SD/SDHC Card Slot for On-board Storage

Specifications

System	· CPU: TI DM365 SoC · Flash: 128MB · RAM: 128MB · Embedded OS: Linux 2.6
Camera Control	· PTZ camera control through RS-485 · Supported devices and protocols: DynaDome/SmartDome Pelco D Lilin PIH-7x00 Pelco P Samsung scc643 and customized · Supports CGI command serial driver
Video	· Compression: H.264, MJPEG & MPEG-4 · Streaming: Multiple simultaneous streams H.264 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 streaming over UDP, TCP, HTTP or HTTPS H.264/MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS · Supports activity adaptive streaming for dynamic frame rate control · Supports 3GPP mobile surveillance · Frame rates: MPEG-4: Up to 30/25 fps at 720 x 480 (NTSC) /720 x 576 (PAL) H.264: 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)
Image Settings	· 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
Audio	· 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 · Supports audio mute
Networking	· 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
Alarm and Event Management	· 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
On-board Storage	· SD/SDHC card slot · Stores snapshots and video clips
Security	· Multi-level user access with password protection · IP address filter · HTTPS encrypted data transmission · 802.1X port-based authentication for network protection
Users	· Live viewing for up to 10 clients

Dimension	· 130 mm (D) x 78.35 mm (W) x 33.85 mm (H)
Weight	· Net: 242 g
LED Indicator	· System power and status indicator · System activity and network link indicator
Power	· Power Input: 12V DC / 24V AC · Power output: 12V DC (Max. 350mA) · Power consumption: Max. 5 W · 802.3af Power-over-Ethernet (Class 1)
Approvals	· CE, LVD, FCC, VCCI, C-Tick
Operating Environments	· Temperature: 0 ℃ ~ 55 ℃ (32 °F ~ 131 °F) · Humidity: 20% ~ 80% RH
Viewing System Requirements	· OS: Microsoft Windows 7/Vista/XP/2000 · Browser: Mozilla Firefox, Internet Explorer 7.x or above · Cell phone: 3GPP player · Real Player: 10.5 or above · Quick Time: 6.5 or above
Installation, Management and Maintenance	· Installation Wizard 2 · 32-CH ST7501 recording software · Supports firmware upgrade
Applications	· SDK available for application development and system integration
Warranty	· 24 months

System Overview

External View

| Front | Back |

Distributed by:

VIVOTEK

W W W . V I V O T E K . C O M