VS8100-v2

1-CH Video Server

D1 • Tiny Design • H.264 • Power Sharing with CCTV • Smart Stream II

VIVOTEK VS8100-v2 is a small-sized H.264 1-CH video server that helps you migrate from analog to digital surveillance system with ease. Its power sharing with CCTV and tiny design make it ideal for front-end installation and surveillance applications such as home, offices, retail stores, banks, and city surveillance, where their power supply and IP network connections are already settled. VS8100-v2 supports a variety types of analog cameras, including PTZ cameras with its Pan/Tilt/Zoom control through the built-in RS-485 port.

With the high-performance H.264 compression format, it drastically reduces the file sizes and conserves valuable bandwidth and storage space.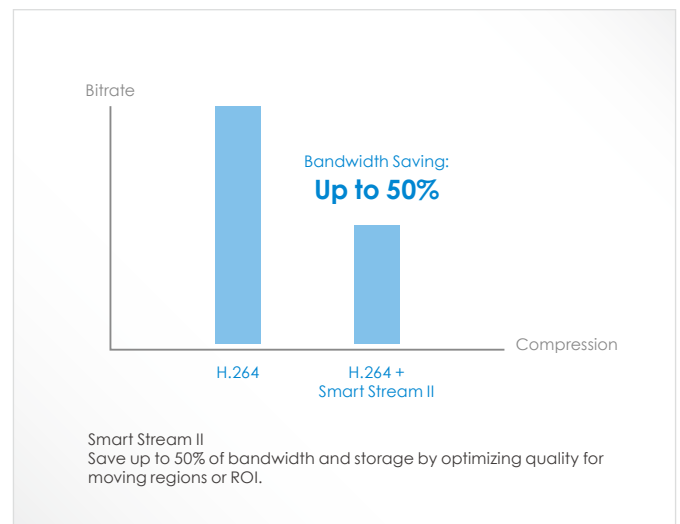 Supporting simultaneous multiple streams, the video streams can be transmitted in either of H.264 or MJPEG formats for versatile applications. The streams can also be individually configured with separate frame rates, resolution, and image quality so as to meet different platforms or bandwidth constraints.

When coupled with VIVOTEK's Smart Stream II technology, the VS8100-v2 can reduce both bandwidth and storage consumption by up to 50%*.

* Depending on scene monitored

Key Features

- 30 fps at D1 Resolution
- Real-time H.264, MJPEG Compression (Dual Codec)
- One-way Audio
- Smart Stream II to Optimize Bandwidth Efficiency
- RS-485 Interface for PTZ Camera Control
- Ultra-mini Size for Front-end Installation and Discreet Surveillance Application
- DC 12V Power Sharing with Analog Camera
- Trend Micro IoT Security within Standard Warranty Period

Bitrate

Bandwidth Saving:
Up to 50%

Compression

H.264   H.264 +
               Smart Stream II

Smart Stream II
Save up to 50% of bandwidth and storage by optimizing quality for moving regions or ROI.

Technical Specifications

Model	VS8100-v2

System Information

CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB

Video

Compression	H.264 & MJPEG
Maximum Frame Rate	30 fps @ 720x480 25 fps @ 720x576
Maximum Streams	3 simultaneous streams
Video Streaming	Adjustable resolution, quality and bitrate, Smart Stream II
Image Settings	Adjustable image size, quality and bit rate; Time stamp, text overlay, flip & mirror; Configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks; Scheduled profile settings, 2DNR

Audio

Audio Capability	One-way Audio
Compression	G.711, G.726
Interface	External microphone input

Network

Users	Live viewing for up to 10 clients
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X ,SSL/TLS, ARP
Interface	10 Base-T/100 Base-TX Ethernet(RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.
ONVIF	Supported, specification available at www.onvif.org

Intelligent Video

Video Motion Detection	Five-window video motion detection

Alarm and Event

Alarm Triggers	Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
Alarm Events	Event notification using HTTP, SMTP, FTP and NAS server File upload via HTTP, SMTP, FTP and NAS server

General

Connectors	RJ-45 for Network connection*1 Male BNC for Analog video input*1 RS-485 Terminal Block*1 Audio input*1 DC 12V output (to camera)*1 DC 12V input (to power source)*1
Supported P/T/Z Protocol	DynaDome/SmartDome, Pelco D, Pelco P, Lilin, Samsung scc643 and customized
LED Indicator	System power and status indicator
Power Input	DV 12V
Power Consumption	Max. 3 W
Dimensions	65 (D) x 34 (W) x 25 (H) mm
Weight	64 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~122°F) Working Temperature: 0°C ~ 50°C (32°F ~122°F)
Humidity	90%
Warranty	24 months

System Requirements

Operating System	Microsoft Windows 8/7
Web Browser	Mozilla Firefox 7~43 (streaming only) Internet Explorer 10/11
Other Players	VLC: 1.1.11 or above Quicktime: 7 or above

Included Accessories

Others	Quick installation guide

Dimensions

65 mm   17 mm   34 mm   25 mm

Compatible Accessories

Power Adapter

AA-222
DC12V 1.5A

Application

DC 12V Power

Notebook with Web Browser

⚡ Power Supply

Coaxial
Cable

Ethernet
Cable

Analog Camera

VS8100-v2

NVR

Router

Internet

PC with Recording Software

External Microphone

Scanner

Mobile Device with iViewer