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

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![Bitrate Chart]

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, ZDNR

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, UTPnIP, 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)

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

Compatible Accessories

Power Adapter

AA-222
DC12V 1.5A
Application

Analog Camera VS8100-v2 NVR Router Internet PC with Recording Software

Coaxial Cable Ethernet Cable Coaxial Cable

DC 12V Power Power Supply

External Microphone Scanner

Notebook with Web Browser

Mobile Device with iViewer