



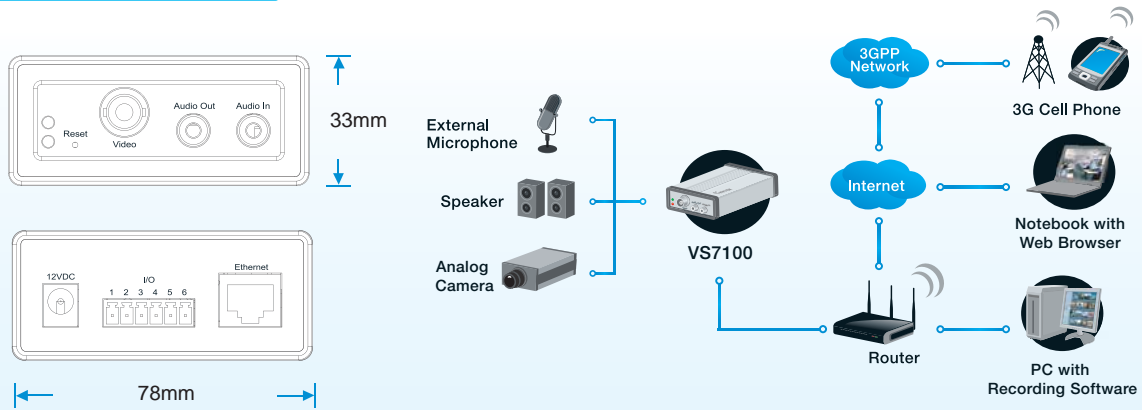
VS7100 1-CH Video Server **MJPEG · MPEG-4 · 3GPP**

The VIVOTEK VS7100 is a professional 1-CH video server for remote surveillance. Embedded with VIVOTEK's VVTK-1000 SoC, it not only provides dual-codec video compression in MPEG-4 and MJPEG formats to efficiently optimize image quality and bandwidth, but also can simultaneously deliver dual streams with different resolutions up to D1 and video quality upon separate devices. Users can easily migrate to an IP-based digital open system from the existing analog close system and meet different requirements for live viewing and recording. The VIVOTEK VS7100 also comes with versatile functions to meet specific applications such as 3GPP mobile surveillance, digital I/O for external sensor and alarm, RS-485 interface for PTZ camera control, and privacy masks and so on. Together with the free-bundled 16-CH recording software, this video server provides a cost-effective solution for a transit from CCTV to IP video.

Features

- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Up to 30 fps in D1 Resolution
- Supports Dual Streams Simultaneously
- 3GPP Mobile Surveillance
- Two-way Audio
- Digital I/O for External Sensor and Alarm
- RS-485 Interface for Scanners, Pan/Tilts
- Privacy Masks

System Overview



Specifications

System

- CPU: VVTK-1000 SoC
- Flash: 8MB
- RAM: 64MB
- Embedded OS: Linux 2.4

Video

- Compression: MJPEG & MPEG-4 video
- Streaming:
 - Simultaneously dual-streaming
 - MPEG-4 streaming over UDP, TCP, or HTTP
 - MPEG-4 multicast streaming
 - MJPEG streaming over HTTP
- Supports 3GPP mobile surveillance
- Frame rates: 640x480 up to 30fps
- Resolution: up to D1

Audio

- Compression:
 - GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps
 - MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps
- Interface:
 - External microphone input
 - Audio output
- Supports two-way audio by SIP protocol
- Supports audio mute

Pan/Tilt/Zoom

- PTZ Camera control through RS-485
- Supported devices and protocols:
 - DynaDome/SmartDome
 - Pelco D
 - LiLin
- Supports CGI command serial driver

Networking

- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE

Alarm and Event Management

- Triple-window video for motion detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP, or FTP

Security

- Multi-level user access with password protection
- IP address filtering

Users

- Live viewing for up to 10 clients

Dimension

- 78.35 mm (L) x 130 mm (D) x 33.85 mm (H)

LED Indicator

- System activity and network link indicator

Power

- 12V DC
- Consumption: Max 4W

Approvals

- CE, FCC, VCCI

Operating Environments

- Temperature: 0 ° ~ 50 ° C (32 ° ~ 122 ° F)
- Humidity: 20 % ~ 80 % RH

Viewing System Requirements

- OS: Microsoft Windows 2000/XP/Vista
- Browser: Internet Explorer 6.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
- 16-CH recording software
- Supports firmware upgrade

Applications

- SDK available for application development and system integration

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