VIVOTEK
BUILT WITH RELIABILITY

VS7100
1-CH Video Server

MJPEG · MPEG-4 · 3GPP

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.

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.
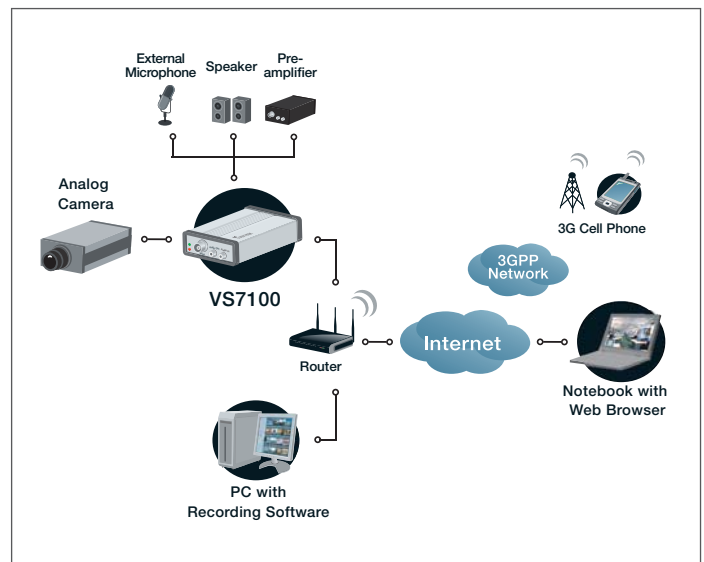
Features

> 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 by SIP Protocol

> Digital I/O for External Sensor and Alarm

> RS-485 Interface for Scanners, Pan/Tilts

> Privacy Masks

Specifications

System	· CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4
Video	· Compression: MJPEG & MPEG-4 · 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: MPEG-4: Up to 30/25 fps at 176x112/176x144 Up to 30/25 fps at 352x240/352x288 Up to 17 fps at 704x480/704x576 MJPEG: Up to 30/25 fps at 176x112/176x144 Up to 30/25 fps at 352x240/352x288 Up to 12 fps at 704x480/704x576
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 · Interface: Line level inout: up to 1 Vrms 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	· 130 mm (D) x 78.35 mm (W) x 33.85 mm (H)
Weight	· Net: 198 g
LED indicator	· System activity and network link indicator

Power	· 12V DC · Power consumption: Max. 4 W
Approvals	· CE, LVD, 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 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
Warranty	· 24 months

System Overview

External View

78.35mm

33.85mm