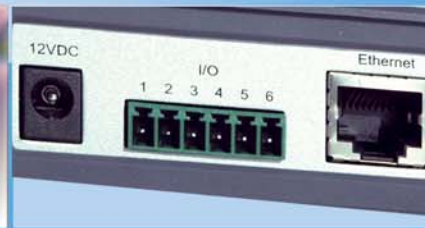# MJPEG/MPEG-4
Video Server

The VIVOTEK VS7100 is a professional 1-CH video server for remote surveillance. Embedded with VIVOTEK 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.

VS7100

F e a t u r e s

- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Up to in D1 Resolution
- Supports Simultaneous Dual Streams
- Supports 3GPP Mobile Surveillance
- Supports Two-way Audio(*)
- Digital I/O for External Sensor and Alarm
- Supports RS-485 Keyboard to Remotely Control PTZ/Dome Cameras
- Supports Privacy Masks

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The features with (*) will be available later through firmware upgrade.
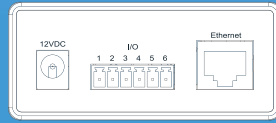
MJPEG/MPEG-4 1-CH Video Server

Front Panel

Reset　Video　Audio Out　Audio In

78

Rear Panel

12VDC　I/O　1 2 3 4 5 6　Ethernet

33

3GPP Network

3GPP Cellphone

Internet

Laptop PC

Router

Desktop PC

Video Server

Camera　Dome Camera

Technical Specifications

System and Hardware
· CPU: VVTK-1000 SoC
· Flash: 8MB
· RAM: 64MB
· Embedded OS: Linux 2.4

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

Video
· MJPEG video with resolution up to D1
· MPEG-4 video with resolution up to D1
· Frame rates: up to 30fps

Audio
· GSM-AMR speech compression
· Bit rate: 4.75Kbps to 12Kbps
· Supports Two-way audio(∗)
· Supports Audio mute

Streaming
· Simultaneous dual streams
· MPEG-4 streaming over UDP, TCP, or HTTP
· MPEG-4 multicast streaming
· MJPEG streaming over HTTP

Security
· Multi-level user access
· IP address filtering

Event Management
· Multiple-window video motion detection
· 1 digital input and 1 digital output
· Event notification using HTTP, SMTP, or FTP

Power
· 12V DC
· Power over Etherent:
  802.3af compliant (optional)
· Consumption: Max 4W

Operating Environments
· Temperature: 0°~ 40°C(32°~ 104°F)
· Humidity: 20%~80% RH

Applications
· Installation wizard 2
· 16-ch recording software
· SDK available for application development and system integration

EMI & Safety
· CE, FCC, VCCI

Viewing System Requirements
· Operating system:
  Microsoft Windows 98, 2000, XP
· Browser:
  Internet Explorer 6 or above

Pan/Tilt/Zoom
· PTZ Camera Control through RS485
· Supported devices and protocols:
  DynaDome/SmartDome
  Pelco D
  LiLin
· Supports CGI command serial driver

The features with (∗) will be available later through firmware upgrade.

VIVOTEK

TL 9000　TÜV　RoHS