

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.

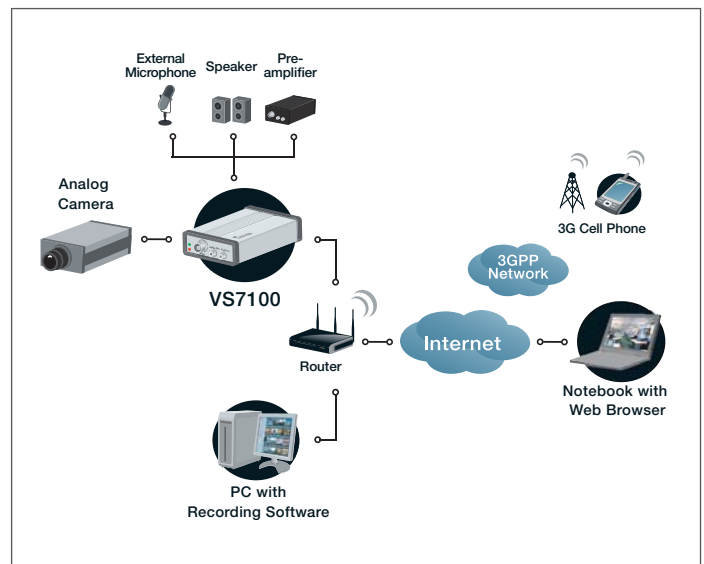
Features

- > 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

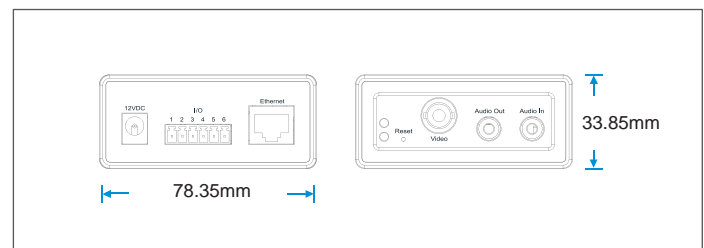
Specifications

System	<ul style="list-style-type: none"> · CPU: VVTK-1000 SoC · Flash: 8MB · RAM: 64MB · Embedded OS: Linux 2.4 	Power	<ul style="list-style-type: none"> · 12V DC · Power consumption: Max. 4 W
Video	<ul style="list-style-type: none"> · Compression: MJPEG & MPEG-4 · Streaming: <ul style="list-style-type: none"> · 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: <ul style="list-style-type: none"> · MPEG-4: <ul style="list-style-type: none"> Up to 30/25 fps at 176x112/176x144 Up to 30/25 fps at 352x240/352x288 Up to 17 fps at 704x480/704x576 · MJPEG: <ul style="list-style-type: none"> Up to 30/25 fps at 176x112/176x144 Up to 30/25 fps at 352x240/352x288 Up to 12 fps at 704x480/704x576 	Approvals	<ul style="list-style-type: none"> · CE, LVD, FCC, VCCI
Audio	<ul style="list-style-type: none"> · Compression: <ul style="list-style-type: none"> · GSM-AMR speech compression, bit rate: 4.75 kbps ~ 12.2 kbps · MPEG-4 AAC audio encoding, bit rate: 16 kbps ~ 128 kbps · Interface: <ul style="list-style-type: none"> · Line level in/out: up to 1 Vrms · Audio output · Supports two-way audio by SIP protocol · Supports audio mute 	Operating Environments	<ul style="list-style-type: none"> · Temperature: 0 ~ 50 °C (32 ~ 122 °F) · Humidity: 20% ~ 80% RH
Pan/Tilt/Zoom	<ul style="list-style-type: none"> · PTZ Camera control through RS-485 · Supported devices and protocols: <ul style="list-style-type: none"> · DynaDome/SmartDome · Pelco D · LiLin · Supports CGI command serial driver 	Viewing System Requirements	<ul style="list-style-type: none"> · 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
Networking	<ul style="list-style-type: none"> · 10/100 Mbps Ethernet, RJ-45 · Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP /RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS and PPPoE 	Installation, Management, and Maintenance	<ul style="list-style-type: none"> · Installation Wizard 2 · 16-CH recording software · Supports firmware upgrade
Alarm and Event Management	<ul style="list-style-type: none"> · 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 	Applications	<ul style="list-style-type: none"> · SDK available for application development and system integration
Security	<ul style="list-style-type: none"> · Multi-level user access with password protection · IP address filtering 	Warranty	<ul style="list-style-type: none"> · 24 months
Users	<ul style="list-style-type: none"> · Live viewing for up to 10 clients 		
Dimension	<ul style="list-style-type: none"> · 130 mm (D) x 78.35 mm (W) x 33.85 mm (H) 		
Weight	<ul style="list-style-type: none"> · Net: 198 g 		
LED indicator	<ul style="list-style-type: none"> · System activity and network link indicator 		

System Overview



External View



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