

VIP 10 Single-channel MPEG-4 Video Encoder or Decoder



Security Systems



- Single Channel Encoder or Decoder
- MPEG-4 Compression
- Dual Streaming, View at One Quality, Record at Another
- Two-way Audio
- Alarm Inputs and Relay Output
- PTZ Control
- Built-in Web Server
- Multicast & Internet Streaming

The VIP 10 features S-VHS quality MPEG-4 video at up to 30 fps and two-way audio over IP networks. Supporting PAL/NTSC sources, it is available in two models, either as an encoder or decoder.

The video signal can be received and displayed with a standard web browser or VIDOS video management software. Using a decoder, you can integrate point-to-point connections into your system, to display video from any camera on your analog monitors.

The VIP 10 provides dual streaming for viewing at one resolution and/or frame rate, and recording at another. This reduces disk storage costs and minimizes network traffic.

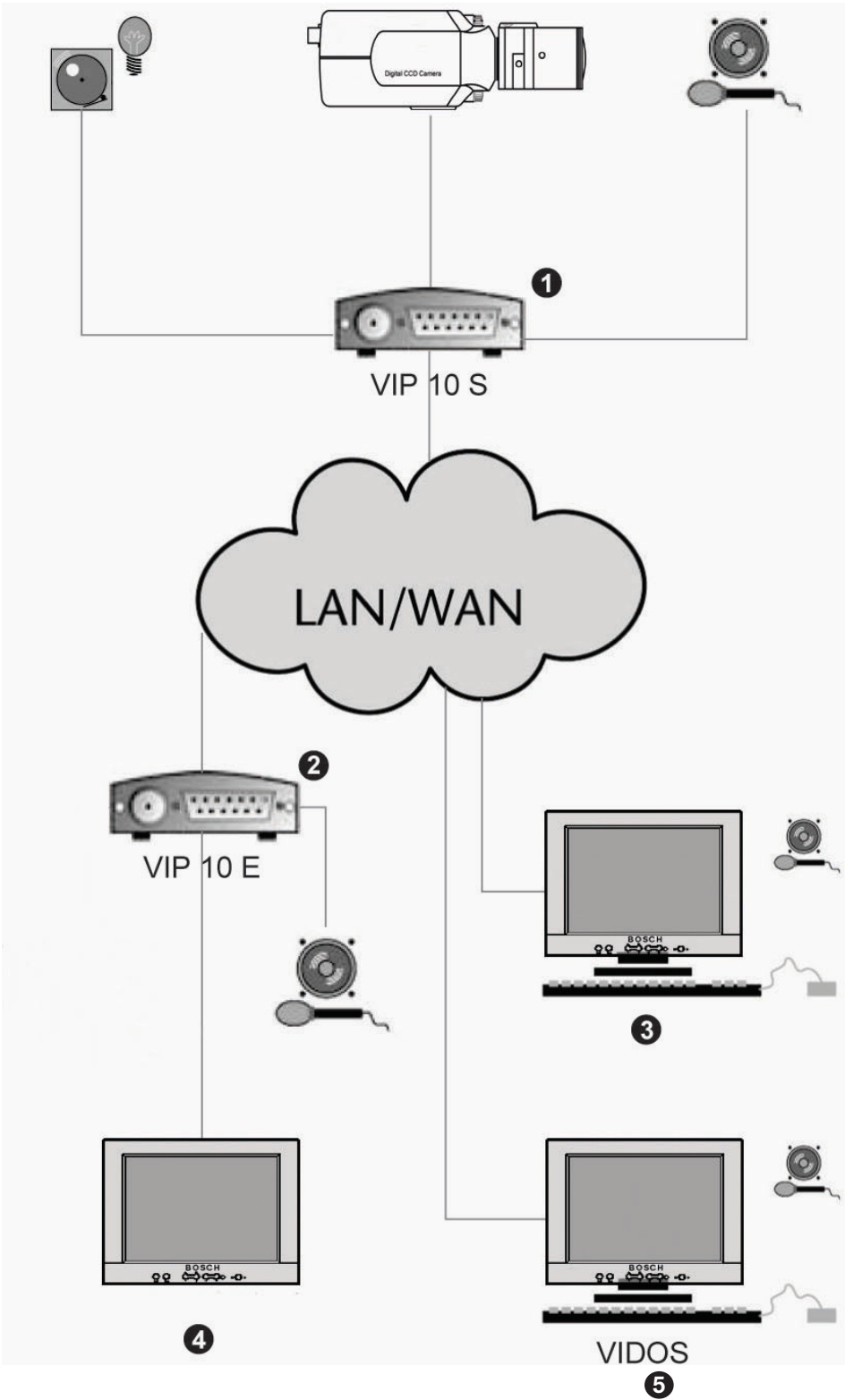
The USB port interfaces accessory devices providing external storage. Having storage available inside or near an encoder overcomes a key challenge of network-based security systems - fault-tolerant network video recording.

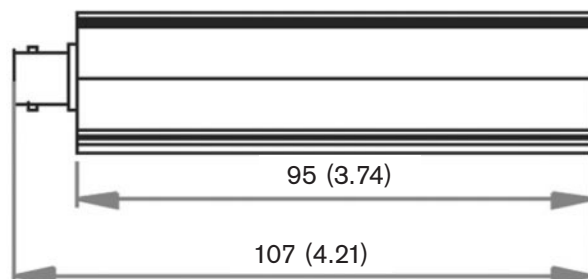
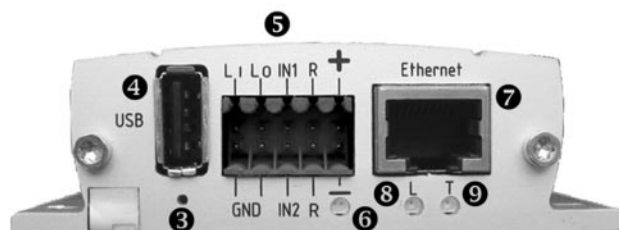
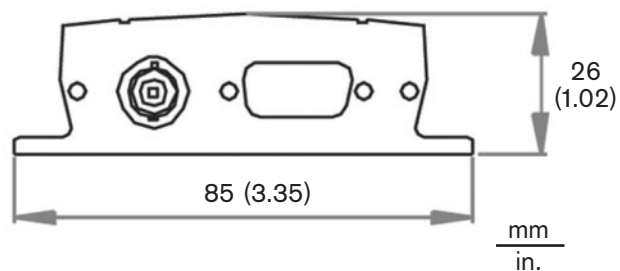
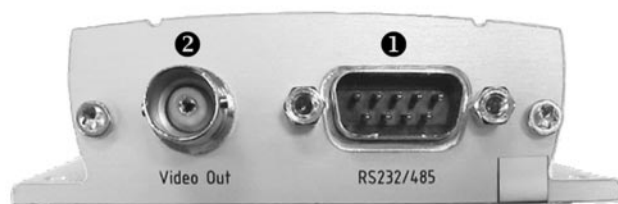
The VIP 10 supports remote control of popular PTZ cameras, domes, and multiplexers. It includes sophisticated directional motion detection to conserve bandwidth and centralized storage.

The VIP 10 is tiny enough to be embedded within a camera housing, or can be mounted near the camera, or centrally rack-mounted. The VIP 10 is the perfect solution for any compact MPEG-4 application.

Parts Included	
Quantity	Component
1	VIP 10 encoder or decoder with 110/220 V external power supply
1	RS-232 null modem cable
1	Quick Installation Guide
1	CD-ROM with manual

Installation / Configuration Notes	
1 Encoder	4 Analog Monitor
2 Decoder	5 VIDOS Workstation
3 Web Browser	

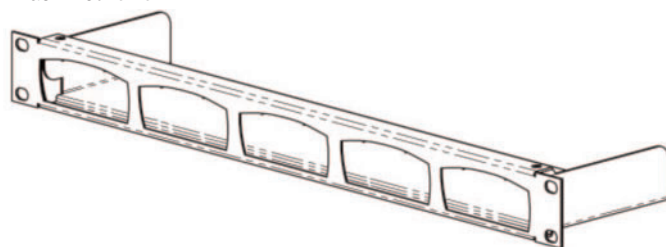




1 COM1: RS-232/422/485	6 LED Power
2 Video In / Out (encoder / decoder)	7 10/100Base-T
3 Factory Reset	FastEthernet
4 USB Port (future use)	8 LED Link
5 Audio In/Out	9 LED Traffic
Alarm In (x2)	
Relay Out	
Power	
Ground (x2)	

Optional

Rack-mount kit



Electrical**VIP 10 Single-channel MPEG-4 Video Encoder or Decoder**

Video Standards	ISO/IEC 14496 (MPEG-4), MJPEG
Video Data Rate	9.6 Kbps - 4 Mbps
Video Resolution	704 x 288/240 (2CIF: 14 IPS**) 352 x 288/240 (CIF: 25/30 IPS**) 176 x 144/120 (QCIF: 25/30 IPS**)
Overall Delay (IP)	100 ms
Audio Standards	G.711; 300 Hz - 3.4 kHz
Audio Data Rate	80 Kbps
Audio Sample Rate	8 kHz
Network Protocols	RTP, Telnet, UDP, TCP, IP, HTTP, IGMP, ICMP, ARP, SNMP
Software Update	Flash ROM, remote programmable
Configuration	Via web browser, built-in web server

Interfaces

Video In (encoder)	1x Analog composite: NTSC/PAL; BNC connector 75 Ω switchable, 0.7 - 1.2 Vp-p
Video Out (decoder)	1x Analog composite: NTSC/PAL; BNC connector 75 Ω , 1 Vp-p
Audio In	1x Mono line in, 3 Vp-p, ca. 50 k Ω
Audio Out	1x Mono line out, 2.5 Vp-p, 60 mW, min. 8 Ω
Alarm In	2x (Non-isolated closure contact type), max. activation resistance 10 Ω
Relay Out	1x, 30 Vp-p, 1 A
Connectors	10 Position spring clamp contact for audio, alarm, and relay
COM Port	1x RS-232/422/485, 9-pin Sub-D
USB Port	1x 1.1 External interface*
Ethernet	10/100 Base-T, auto-sensing, half/full duplex, RJ-45

*Future Use **Depends on picture content

Environmental

Input Voltage	12 - 24 VDC, spring clamp contact
Power Consumption	Approx. 10 VA
Power Supply Unit (included)	PS 1110/21
Weight	Approx. 0.3 kg (0.66 lb)
Operating Temperature	0°C - 50°C (32°F - 122°F) Ambient temperature
Humidity	20 - 80%, Atmospheric humidity (not cond.)
Complies with	CE: IEC 60950; UL 1950; J 60950; AS/NZS 3548; EN 55103-1, -2; EN 50130-4; EN 55022; EN 55024; EN 61000-3-2; EN 61000-3-3; FCC 47 CFR Ch.1 Part 15

Ordering Information

VIP 10S 2010 MPEG-4 Dual-stream Encoder	VIP 10S 2010
VIP 10E 2011 MPEG-4 Decoder	VIP 10E 2011

Accessories

VIP 10 Rack-mounting Kit (up to 5 units in 1 HU)	VIP RMK 1412/1
PS 1110/21 Power Supply for VIP 10 Units	PS 1110/21

Americas
Bosch Security Systems
130 Perinton Parkway
Fairport, New York, 14450
Phone: +1 (585) 223 4060
Fax: +1 (585) 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven,
The Netherlands
ema.securitysystems@bosch.com
http://www.boschsecurity.com

Asia-Pacific
Bosch Security Systems Pte Ltd
38C Jalan Pemimpin
Singapore 577180, Singapore
Phone: +65 319 3488
Fax: +65 319 3499
sg.securitysystems@bosch.com
http://www.boschsecurity.com

BOSCH