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# VideoJet 10 Single-channel MPEG-4 Video Encoder or Decoder



- ▶ Single Channel Encoder or Decoder
- ▶ MPEG-4 Compression
- ▶ Compact Flash Card Slot
- ▶ Wireless 802.11b Card Slot
- ▶ Dual Streaming, View at One Quality, Record at Another
- ▶ Two-way Audio
- ▶ Alarm Input and Relay Output
- ▶ PTZ Control
- ▶ Built-in Web Server

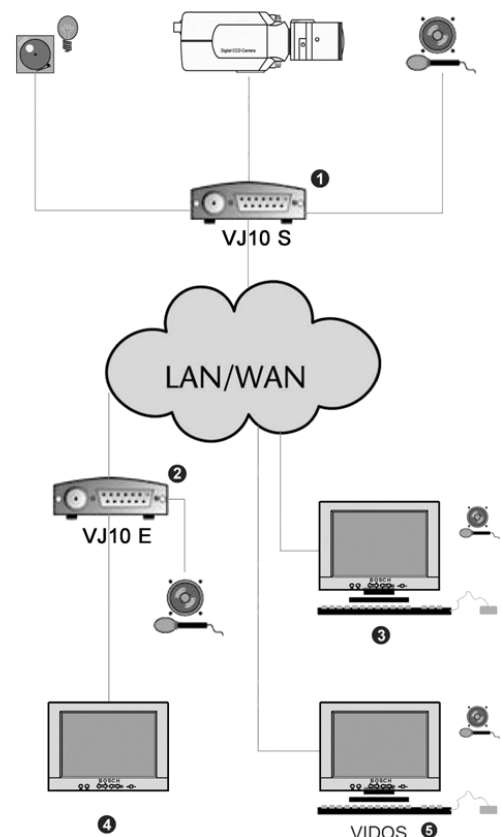
The VideoJet 10 features high quality MPEG-4 video at up to 30 images per second, and two-way audio over IP networks. Supporting PAL/NTSC and CCIR/EIA sources, it is available in two models either, as an encoder or decoder.

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 VideoJet 10 offers a Compact Flash slot. When used with a memory card, it provides low cost storage to take advantage of Automatic Network Replenishment, providing resilience against network outages. This storage is also highly reliable since there are no moving parts, making it well suited to mobile CCTV applications. Alternately, the slot accommodates an optional wireless card, for optimal flexibility in positioning the encoder and camera. The wireless card follows the popular 802.11b standard.

The VideoJet 10 supports remote control of popular PTZ cameras, domes, and multiplexers. It includes sophisticated motion detection and pre-alarm recording, to conserve bandwidth and centralized storage. With alarm, relay, and two serial port connections, the unit provides the ideal mechanism to remotely manage events via the network.

## Installation/Configuration Notes

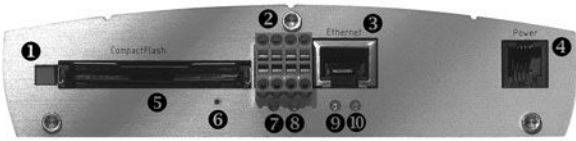


- 01 Encoder
- 02 Decoder
- 03 Web Browser

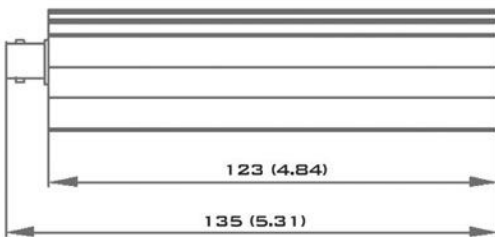
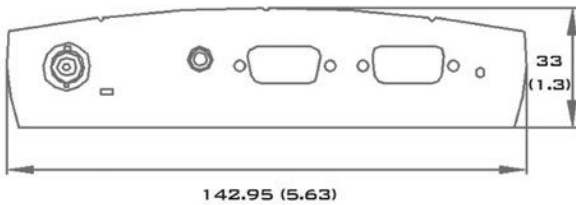
- 04 Analog Monitor
- 05 VIDOS Workstation



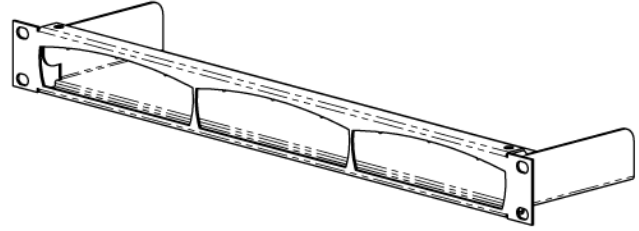
- |    |                                |    |                                    |
|----|--------------------------------|----|------------------------------------|
| 01 | COM2: RS232                    | 04 | 750hm Video Termination (encoder.) |
| 02 | COM1: RS232/422/485            | 05 | Audio In/Out                       |
| 03 | Video In/out (encoder/decoder) | 06 | LED power                          |



- |    |                               |    |                        |
|----|-------------------------------|----|------------------------|
| 01 | Ejector for CompactFlash port | 06 | Reset: Factory default |
| 02 | Alarm in Relay out            | 07 | LED Alarm in           |
| 03 | 10/100 Base-T FastEthernet    | 08 | LED Alarm Out          |
| 04 | Power                         | 09 | LED Link               |
| 05 | CompactFlash port             | 10 | LED Traffic            |



Dimensions in mm (inches)



Rack-Mount Kit (optional)

**Parts Included**

Quantity	Component
1	VideoJet 10 encoder or decoder with international plug-in power supply
1	RS232 Null Modem cable
1	Quick installation Guide
1	CD-Rom with manual

## Technical Specifications

### Electrical

Video Standards	ISO/IEC 14496 (MPEG-4), JPEG
Video Data Rate	9.6 kBit/s - 4 MBit/s
Video Resolution	720 x 576/480* (full D1: 12 fields/s**) 704 x 576* (4CIF: 12 fps**) 704 x 288 (2CIF: 20 fps**) 352 x 576/480* (half D1: 25 resp. 30 fields/s**) 352 x 288 (CIF: 25 resp. 30 fps**) 176 x 144 (QCIF: 25 resp. 30 fps**)
Overall Delay (IP)	100 ms
Audio Standards	G.711; 300 Hz - 3.4 kHz
Audio Data Rate	80 kBit/s
Audio Sampl. Rate	8 kHz
Network Protocols	RTP, Telnet, UDP, TCP, IP, ARP, HTTP, IGMP, ICMP, SNMP
Software Update	Flash ROM, remote programmable
Configuration	Via Web browser, built-in Web server
<b>Interfaces</b>	
Video In (Encoder)	1x analog composite: NTSC or PAL; BNC connector 75 Ohm switchable, 0.7-1.2 Vpp
Video Out (Decoder)	1x analog composite: NTSC or PAL; BNC connector 75 Ohm, 1 Vpp
Audio In	1x mono line, stereo jack 3.5 mm, 1 Vpp, 50 kOhm
Audio Out	1x mono line, stereo jack 3.5 mm, 1 Vpp, 60 mW, min. 8 Ohm
Alarm In	1x clamp (non-isolated closure contact type), max. activation resistance 10 Ohm
Relay Out	1x clamp, 30 Vpp, 1 A
Analog Sensor In	1x clamp; 0-5 VDC general purpose analog input (e.g. temperature sensor)
COM Ports	1x RS232/422/485, 9-pin Sub-D; 1x RS232, 9-pin Sub-D
Ethernet	10/100 Base-T, auto sensing, half/full duplex, RJ45
Wireless Ethernet	RF-interface 802.11b via CF card interface
Storage Media***	CompactFlash card Type I and II, Microdrive.

\*) Supported from firmware version 2.10 onwards

\*\*) Depends on picture content

\*\*) 2Gb - 4 Gb supported in firmware 2.10

### Environmental

Input Voltage	12-24 VDC, RJ11
Power usage	App. 10 VA
Weight	App. 0.4 kg (0.88lbs)
Operating Temp.	0 - 50 °C (32 - 122 °F) ambient temperature

Humidity	20 - 80%, atmospheric humidity (not condensing)
Approvals	CE: IEC 60950; UL 1950; J 60950; AS/NZS 3548; EN 55103-1, -2; EN 55130-4; EN 55022; EN 55024; EN 61000-3-2; EN 61000-3-3; FCC 47 CFR Ch.1 Part 15

## Ordering Information

### Model | Description

VJ10S 2915	MPEG-4 dual-stream encoder, audio, CF slot, 2 serial interfaces, alarm in and relay out
VJ10E 2935	MPEG-4 decoder, audio, CF slot, 2 serial interfaces, alarm in and relay out

### Hardware Accessories

CF WLAN 7907	Compact Flash WLAN-Card 802.11B for VJ10 units
VJ10 WMK 2918/2	Wall mount kit for videojet 10 unit
VJ10 RMK 2918/0	19-inch rack mount kit for 3 videojet 10 units
CF256M 7905	Compact Flash Memory Card 256 MB for VJ10 units
CF1G 7906	Compact Flash Memory Card Microdrive 1 GB for VJ10 units

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