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VideoJet 10-I Single-channel MPEG-4 Video Encoder or Decoder with ISDN



- ▶ Single-channel Encoder or Decoder
- ▶ MPEG-4 Compression
- ▶ Compact Flash card slot
- ▶ Wireless 802.11b Card Slot
- ▶ Dual streaming, View at One Quality, Recorded at Another
- ▶ Two-way Audio
- ▶ Alarm Input and Relay Output
- ▶ PTZ Control
- ▶ Built in Web Server
- ▶ Fast Ethernet & ISDN Interface

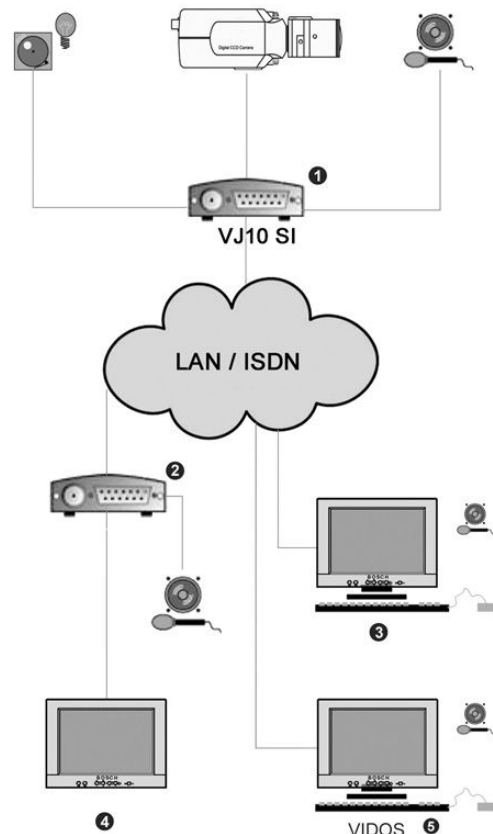
The VideoJet 10 features high quality MPEG-4 video at up to 30 images per second, and two-way audio over IP- and ISDN networks. Supporting PAL/NTSC and CCIR/ EIA sources, it is available in two models either, as an encoder or decoder.

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-I 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-I 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 VideoJet 10 IS
- 02 Decoder VideoJet 10 E
- 03 Web Browser

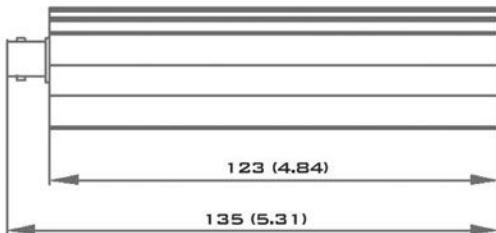
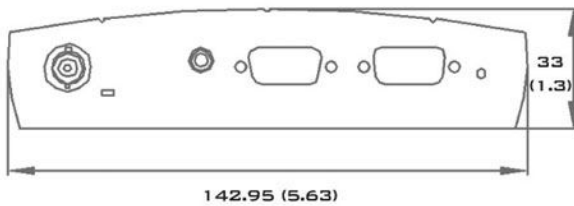
- 04 Analog Monitor
- 05 VIDOS Workstation



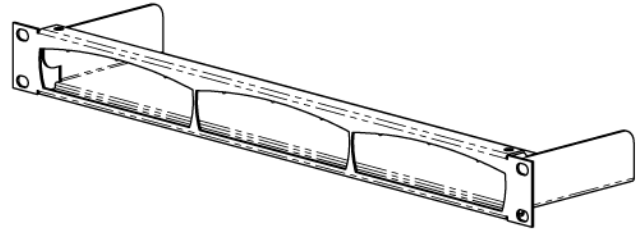
- 01 COM2: RS232
- 02 COM1: RS232/422/485
- 03 Video In / Out (encoder / decoder)
- 04 75Ohm Video Termination (encoder)
- 05 Audio In/Out
- 06 LED power



- 01 Ejector for CompactFlash port
- 02 Alarm in Relay out
- 03 10/100 Base-T FastEthernet
- 04 ISDN
- 05 Power
- 06 CompactFlash port
- 07 Reset: Factory default
- 08 LED Alarm in
- 09 LED Alarm Out
- 10 LED Link
- 11 LED Traffic
- 12 LED B1
- 13 LED B2



dimensions in mm (inches)



Rack Mount Kit (optional)

Parts Included

| Quantity | Component |
|----------|--|
| 1 | VideoJet 10-I Encoder or Decoder with international plug-in power supply |
| 1 | RS-232 Null modem cable |
| 1 | ISDN 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 Samplerate | 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 Interfaces |
| 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 | 1 mono line, stereo jack 3.5 mm, 1 Vpp, 50 kOhm |
| Audio Out | 1 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 |
| ISDN | RJ45, S0-Basic-rate |
| 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

**) 2 Gb - 4Gb Supported in Firmware 2.10

Environmental

| | |
|-----------------------|---|
| Input Voltage | 12-24 VDC, RJ11 |
| Power Consumption | App. 10 VA |
| Weight | App. 0.4 kg (0.88lbs) |
| Operating Temperature | 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

VJ10SI 2925
MPEG-4, 1 channel dual-stream encoder, audio, CF slot, 2 serial interfaces, alarm in and relay out, ISDN

VJ10EI 2955
MPEG-4, 1 channel decoder, audio, CF slot, 2 serial interfaces, alarm in and relay out, ISDN

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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