

VideoJet 8000 8-channel MPEG-2 Encoder

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Invented for life



- ▶ 8-channel Encoder
- ▶ 25 IPS on Every Channel Simultaneously
- ▶ MPEG-2 @ 4CIF
- ▶ Internal Storage (120/240/600 GB)
- ▶ Gigabit Ethernet

The VideoJet 8000 delivers the highest quality real-time video available today. Its advanced hardware engine produces 30 images per second of pure MPEG-2 DVD-quality video. This power is further multiplied by incorporating multiple encoders within the single unit, delivering eight full-motion video channels. Each channel generates fully interlaced non-multiplexed video at 30 IPS.

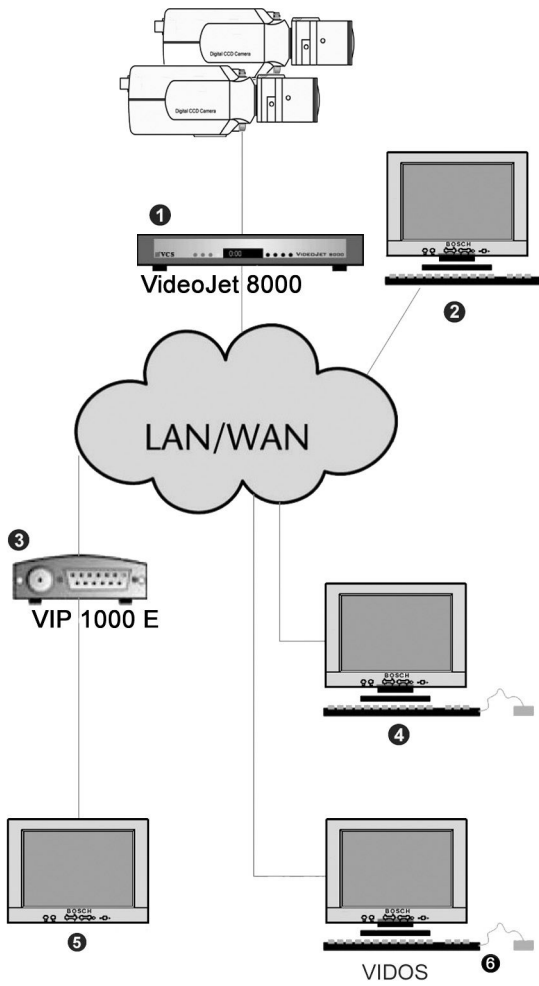
The video can be viewed on a standard PC using the VIDOS video management software or a web browser. Alternately, when used in conjunction with an MPEG-2 hardware decoder (such as the VIP 1000E), you can create point-to-point hybrid analog/digital solutions. This technology uses the highest quality analog cameras and analog CCTV monitors, but with a pure IP solution in-between.

The VideoJet 8000 8-channel MPEG-2 encoder features three key recording modes. The simplest mode is continuous. The alarm-sensitive mode also runs continuously, but increases the frame rate on alarm. A pre-alarm option preserves a short segment of video just prior to the alarm, at 1, 2, or 25/30 IPS (PAL/NTSC).

The VideoJet 8000's 120, 240, or 600 GB internal hard disk records weeks at a time locally, or for more extended recording periods it can use the VIDOS-NVR

network video recorder. Such an NVR server has one or two RAID5 disk arrays attached for maximum fault tolerance and a storage capacity of over 12 TB. The VideoJet 8000 is powerful enough to simultaneously allow MPEG-2 live viewing, recording, playback, and backup. With eight channels in a rack-mountable 1U form factor it offers the highest port density at this quality of video. Combined with a complete set of security and distributed system management features it is the market's most powerful, highest quality MPEG-2 encoder and recorder.

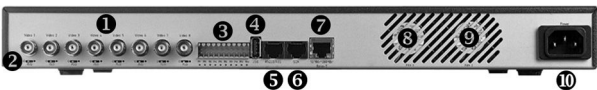
Installation/Configuration Notes



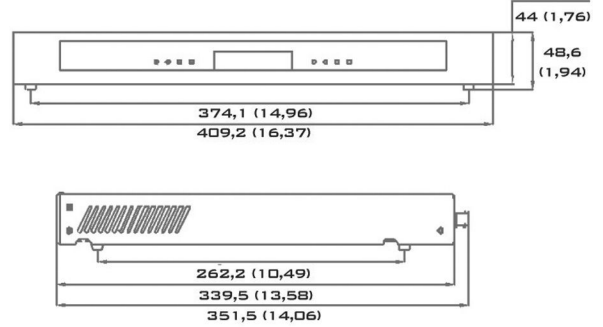
- | | |
|--------------------------|-----------------------|
| 01 VideoJet 8000 Encoder | 04 Web Browser |
| 02 VIDEOS Workstation | 05 Analog Monitor |
| 03 VIP 1000E Decoder | 06 VIDEOS Workstation |



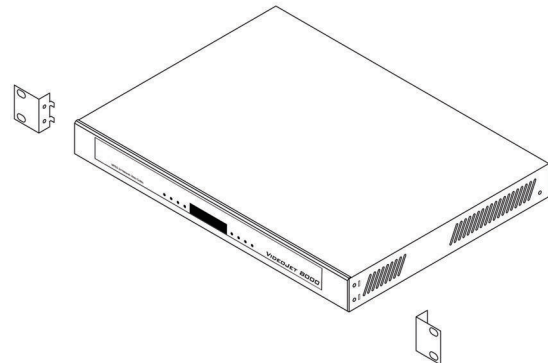
- | | |
|----------------------|--------------|
| 01 Power Indicator | 05 Menu/exit |
| 02 HDD indicator | 06 Set |
| 03 Failure indicator | 07 UP |
| 04 Display | 08 Down |



- | | |
|----------------------------------|----------------------------------|
| 01 Video In | 06 ISDN port (EU only) |
| 02 75 ohm Video Termination (x8) | 07 GigaBitEthernet 10/100 Base-T |
| 03 Alarm inputs (10x) | 08 Fan 1 |
| 04 USB Port | 09 Fan 2 |
| 05 COM Port: RS232/485 | 10 Power Connector |



Dimensions in mm (inches)



Rack Mount Kit

Parts Included

Quantity	Component
1	VideoJet 8000 with internal wide range power supply incl. IEC power cable
1	RS232 Null modem cable
1	Accessory Kit (19-inch rack mounting)
1	Quick Installation Guide
1	CD-ROM with manual

Technical Specifications

Electrical

VideoJet 8000 MPEG-2 Encoder

Video Standards	ISO/IEC13818-2 (MPEG-2) MP@ML
Video Data Rate	1 – 5 Mbps per channel constant & variable

Video Frame-rate	1-25/30 IPS (PAL/NTSC); Field/frame-based coding
Video Resolution	704 x 576/480 (4CIF: 25/30 IPS*) (D1) 352 x 288/240 (CIF: 25/30 IPS*)
Storage Media	HDD integrated
GOP Structure	I, IP, IPB, IPBB
Overall Delay (IP)	174/164 ms (PAL/NTSC)
Select Frame Rate	25/30 IPS streaming (PAL/NTSC)
	1, 2 or 25/30 IPS internal recording
	Field/frame-based coding
Multiplex Standards	ISO/IEC 13818-1 (MPEG-2)
Stream Types	Video Elementary Stream VES(video only)
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 or serial interface
Video In	8x Analog composite: NTSC/PAL; BNC connector 75 ohm switchable, 0.7 - 1.2 Vpp
Alarm In	10x (non-isolated closure contact type), max. activation resistance 10 ohm
Connectors	20-way spring clamp for alarm inputs
COM Ports	1x RS-232/422/485, RJ-45
Ethernet	10/100/1000Base-T, auto-sensing, half-/full-duplex, RJ-45

*)Depends on picture content

Environmental

Input Voltage	90 – 250 VAC, 50/60 Hz
Power Consumption	Max. 60 VA
Weight	App. 6.0 kg (13.22 lb) with 240 GB HD
Operating Temperature	0°C - 40°C (32°F - 104°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

VJ8000 2906

8 channels MPEG-2, DVR and encoder with 120 GB HDD

Order number **VJ80002906**

VJ8000 2926

8 channels MPEG-2, DVR and encoder with 240 GB HDD

Order number **VJ80002926**

VJ8000 2927

8 channels MPEG-2, DVR and encoder with 600 GB HDD

Order number **VJ80002927**

VJ8000A 2907

8 channels MPEG-2 with 1 MPEG-4 channel DVR and encoder with 120 GB HDD, audio

Order number **VJ8000A2907**

VJ8000A 2936

8 channels MPEG-2 with 1 MPEG-4 channel DVR and encoder with 240 GB HDD, audio

Order number **VJ8000A2936**

VJ8000A 2937

8 channels MPEG-2 with 1 MPEG-4 channel DVR and encoder with 600 GB HDD, audio

Order number **VJ8000A2937**

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