

VideoJet 8000

8-Channel MPEG-2 Encoder



Security Systems



- 8-channel Encoder
- 30 IPS on Every Channel Simultaneously
- MPEG-2 @ 4CIF
- Internal Storage (120/240/600 GB)
- Gigabit Ethernet
- 10 Alarm Inputs
- Low Profile Rack-mountable
- Multicasting
- Serial Data Port

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.

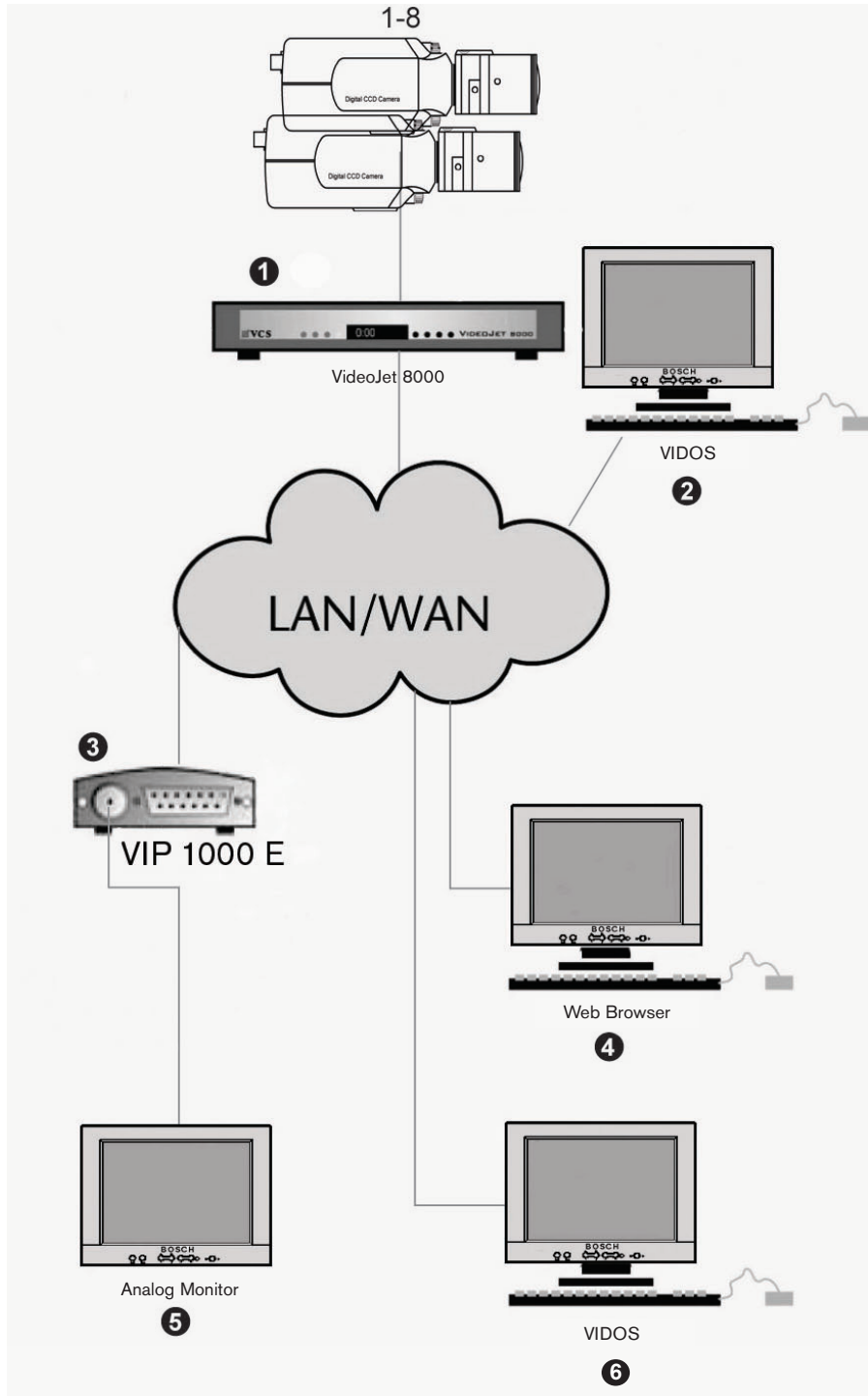
The VideoJet 8000 8-channel MPEG-2 encoder features three key recording modes. The simplest mode is continuous. The alarm-sensitive mode also runs continuously, but increases the frame rate on alarm. A pre-alarm option preserves a short segment of video just prior to the alarm, at 1, 2, or 25/30 IPS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

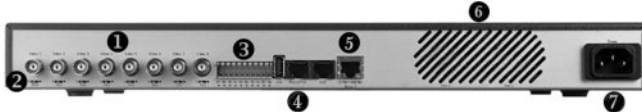
| Parts Included | |
|----------------|---|
| Quantity | Component |
| 1 | VideoJet 8000 with internal wide range power supply including IEC power cable |
| 1 | RS-232 Null modem cable |
| 1 | Accessory Kit (19 in. rack-mounting) |
| 1 | Quick Installation Guide |
| 1 | CD-ROM containing VCS software and manual |

| Installation / Configuration Notes (See Diagram) | |
|--|---------------------|
| 1 VideoJet 8000 Encoder | 4 Web Browser |
| 2 VIDOS Workstation | 5 Analog Monitor |
| 3 VIP 1000E Decoder | 6 VIDOS Workstation |

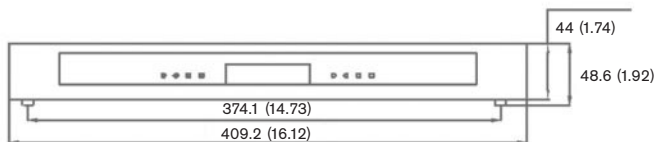




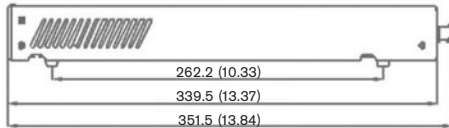
| | |
|---------------------|-------------|
| 1 Power Indicator | 5 Menu/Exit |
| 2 HDD Indicator | 6 Set |
| 3 Failure Indicator | 7 Up |
| 4 Display | 8 Down |



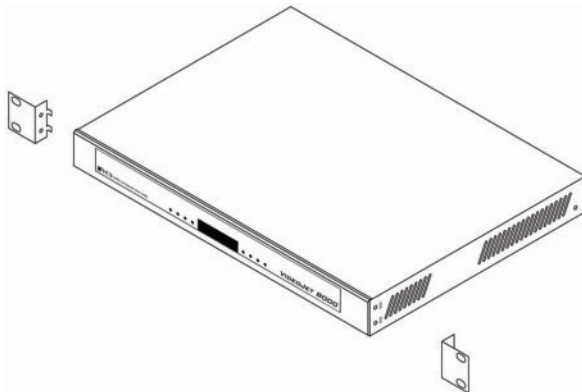
| | |
|-------------------------------|------------------------------|
| 1 Video In (x8) | 5 10/100/1000Base-T Ethernet |
| 2 75 Ω Video Termination (x8) | 6 Fans 1 and 2 |
| 3 Alarm Inputs (10x) | 7 Power Connector |
| 4 COM Port: RS-232/485 | |



mm (in.)



Rack-mount Kit (included)



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 | 120, 240, or 600 GB HD 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 Ω switchable, 0.7 - 1.2 Vp-p |
| Alarm In | 10x (non-isolated closure contact type), max. activation resistance 10 Ω |
| 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 | Approx. 6.0 kg (13.2 lb) with 240 GB HD |
| 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 | |
|--|----------------|
| VJ8000 2906 VideoJet 8000 MPEG-2 Encoder with 120 GB | 8622 780 42831 |
| VJ8000 2926 VideoJet 8000 MPEG-2 Encoder with 240 GB | 8622 780 42841 |
| VJ8000 2927 VideoJet 8000 MPEG-2 Encoder with 600 GB | 8622 780 42851 |

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