



VideoJet 8008 8-Channel MPEG-4 Encoder



- ▶ 8-Channel encoder
- ▶ 25 IPS on every channel @ 4CIF/Full D1
- ▶ MPEG-4 @ 4CIF / Full D1
- ▶ Dual streaming per channel
- ▶ Internal harddisk storage
- ▶ Gigabit Ethernet
- ▶ 10 Alarm inputs
- ▶ Low profile rack-mountable
- ▶ Multicasting
- ▶ Serial data port

The VideoJet 8008 delivers the highest quality real-time video available today. Its advanced hardware engine produces 30 images per second of pure MPEG-4 video in DVD-like quality. This power is further multiplied by incorporating multiple encoders within the single unit, delivering eight full-motion video channels. Each channel generates 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. Alternatively, when used in conjunction with a high-performance MPEG-4 hardware decoder (such as the VIP XD), 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 8008 8-channel MPEG-4 encoder features three key recording modes. The simplest mode is continuous. The alarm-sensitive mode also runs continuously, but may increase the frame rate on alarm. A pre-alarm option preserves a short segment of video just prior to the alarm, at a flexible frame rate.

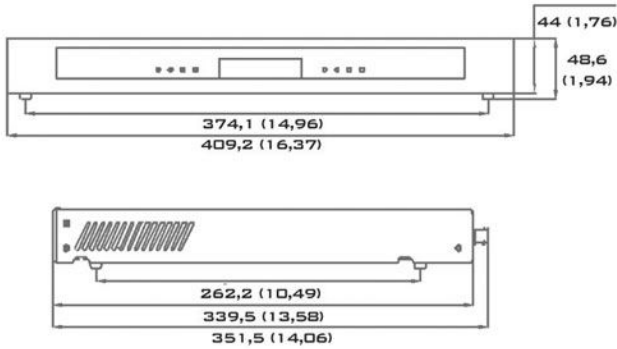
The VideoJet 8008's internal hard disk records weeks at a time locally, or for more extended recording periods it can use the VIDOS-NVR network video recorder. Such an NVR server has RAID5 disk arrays attached for maximum fault tolerance and a storage capacity of over 36 TB.

The VideoJet 8008 with its Dual Streaming technology can encode the video input signal in two different ways

in parallel. For example in 4CIF resolution with 1 IPS for recording, and in CIF with 25 IPS for live viewing at a workstation with software decoder or a hardware monitor. Depending on the application, other combinations are also possible.

Audio models provide a bi-directional audio channel that can be connected in parallel to any video channel and, due to built-in amplifiers, directly drive speakers and connect to a Siedle TLM611 intercom device. They also provide relay outputs and an additional RS232 port. The VideoJet 8008 is powerful enough to simultaneously allow MPEG-4 live viewing, recording and playback or backup. With eight channels in a rack-mountable 1HU 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-4 encoder and recorder.

Installation/Configuration Notes



Dimensions in mm (inches)



Front view all models

- | | | | |
|---|-------------------|---|-----------|
| 1 | LED Power | 6 | Menu/Exit |
| 2 | Infrared receiver | 7 | Set |
| 3 | LED HDD | 8 | Up |
| 4 | LED Fail | 9 | Down |
| 5 | Display | | |

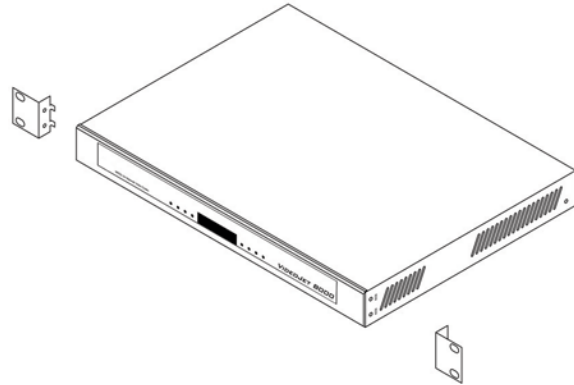


Rear view audio model



Rear view none audio model

- | | | | |
|---|--------------------------|---|---------------------------------------|
| 1 | 8x Video in | 5 | GigabitEthernet
10/100/1000 Base-T |
| 2 | 75 Ohm video termination | 6 | Fan 1 |
| 3 | 10x Alarm in | 7 | Fan 2 |
| 4 | COM port: RS232/485 | 8 | Power connector |



Rack mount kit

Parts Included

Quantity	Component
1	VideoJet 8008 with internal wide range power supply including IEC and US power cables
1	RS-232 Null modem cable
1	Accessory Kit (19 in. rack-mounting)
1	Quick Installation Guide
1	CD-ROM containing software tools and manual

Technical Specifications

Electrical

Video Standards	MPEG-4
Video Data Rate	9.6 kBit/s - 6 MBit/s per channel
Video Frame-Rate	1 up to 25/30 IPS (PAL/NTSC); scalable video skip ratio
Video Resolution	704 x 576/480 (D1/4CIF: 25/30 IPS) 704 x 288/240 (2CIF: 25/30 IPS) 352 x 576/480 (Half D1: 25/30 IPS) 352 x 288/240 (CIF: 25/30 IPS) 176 x 144/120 (QCIF: 25/30 IPS)
Storage Media	HDD integrated
GOP Structure	I, IP
Overall Delay (IP)	120 ms
Network Protocols	RTP, Telnet, UDP, TCP, IP, HTTP, IGMP V3, ICMP, ARP, SNMP
Software Update	Flash ROM, remote programmable
Configuration	Via web browser, built-in web server, telnet or serial interface

Interfaces

Video In	8x analog composite: NTSC/PAL; BNC connector 75 Ohm switchable, 0.7 - 1.2 Vp-p
Alarm In	10x (non-isolated closure contact type), max. activation resistance 10 Ohm
Connectors	20 position spring clamp contacts for alarm inputs
COM Port 2	1x RS-232/422/485, RJ-45
Ethernet	10/100/1000Base-T, auto-sensing, half-/full-duplex, RJ-45

Additional Interfaces Audio Models

Audio 1-8	8x mono line in (50 kOhm), 8x mono line out (60 mW, min. 8 Ohm), stereo jack 3.5 mm, 1 Vpp
Audio Out	2x speaker 5W@80hm / 2,5W@40hm, stereo jack 3.5 mm
AI / AO	Intercom compatible with Siedle TLM611-0 SM
Relay Out	5x clamp, 30 Vpp, 1 A
COM2 Port	1x RS232, 9-pin Sub-D

Environmental

Input Voltage	90 - 250 VAC, 50/60 Hz
Power Consumption	Max. 60 VA
Weight	Approx. 6.0 kg (13.2 lb)
Operating Temperature	0°C - 40°C (32°F - 104°F), ambient temperature

Humidity	20 - 80%, atmospheric humidity (not cond.)
Complies with	CE: IEC 60950; UL 1950; 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

Model | Description

VJ8008H160	8 channels MPEG-4 encoder and DVR with 160 GB HDD
VJ8008H250	8 channels MPEG-4 encoder and DVR with 250 GB HDD
VJ8008H600	8 channels MPEG-4 encoder and DVR with 600 GB HDD
VJ8008H800	8 channels MPEG-4 encoder and DVR with 800 GB HDD
VideoJet 8008A 160GB	8 channels MPEG-4 encoder and DVR with 160 GB HDD and audio
VideoJet 8008A 250GB	8 channels MPEG-4 encoder and DVR with 250 GB HDD and audio
VideoJet 8008A 600GB	8 channels MPEG-4 encoder and DVR with 600 GB HDD and audio
VideoJet 8008A 800GB	8 channels MPEG-4 encoder and DVR with 800 GB HDD and audio

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