

**BOSCH**
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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 ring or linear recording. The alarm-sensitive mode also runs continuously. A pre-/post-alarm option preserves a short segment of video just before and after the alarm. Up to 128 events per camera can be recorded. When the installation is completed with VIDOS video management software, VIDOS can automatically increase the frame rate during the alarm to capture events in detail, while saving capacity on irrelevant footage.

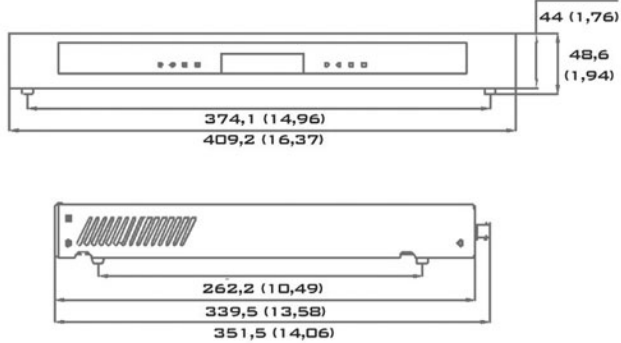
The VideoJet 8008's internal hard disk records weeks at a time locally, or for more extended recording periods it can use the VIDOS-NVR network video recorder. Such an NVR server has RAID5 disk arrays attached for maximum fault tolerance and a storage capacity of over 36 TB.

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 single bidirectional audio channel that can be connected to one out of the 8 available video channels and, due to built-in amplifiers, directly to drive speakers and to a Siedle TLM611 intercom device. Audio input and output can be selected independently from each other, for example listening to channel 3 while talking through channel 8.

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 | | |

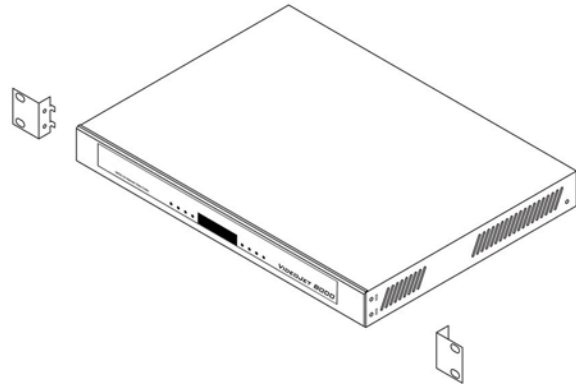


Rear view audio model



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
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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) (1 of 8 selectable), 8x mono line out (60 mW, min. 8 Ohm) (1 of 8 selectable), 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

VJ8008H160 8-channel MPEG-4 encoder and DVR with 160 GB HDD	VJ8008H160
VJ8008H250 8-channel MPEG-4 encoder and DVR with 250 GB HDD	VJ8008H250
VJ8008H500 8-channel MPEG-4 encoder and DVR with 500 GB HDD	VJ8008H500
VJ8008H1000 8-channel MPEG-4 encoder and DVR with 1000 GB HDD	VJ8008H1000
VJ8008AH160 8-channel MPEG-4 encoder and DVR with 160 GB HDD and audio	VJ8008AH160
VJ8008AH250 8-channel MPEG-4 encoder and DVR with 250 GB HDD and audio	VJ8008AH250

Ordering Information

VJ8008AH500 8-channel MPEG-4 encoder and DVR with 500 GB HDD and audio	VJ8008AH500
VJ8008AH1000 8-channel MPEG-4 encoder and DVR with 1000 GB HDD and audio	VJ8008AH1000

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