

The VideoJet 1000 video server combines simultaneous MPEG-2 and MPEG-4 transmission with professional alarm features.

MPEG-2, the digital video compression standard originally developed for broadcasting, produces extremely sharp pictures with superb detail, e.g. for better readability of car number plates. In case of strictly limited bandwidth the more compact MPEG-4 standard hits the spot.

Compatible with PAL or NTSC sources it can function both as a transmitter and as a receiver when linked to a monitor, and its video signal can be simultaneously displayed on a PC using VCS software decoder VIDOS or even a web browser.

With its integral hard disk the VideoJet 1000 becomes a DVR with a storage capacity of up to 960 hours, allowing simultaneous playback and back-up while recording.

HIGHLIGHTS

- ❑ Full D1 resolution and lowest bandwidth
- ❑ Fully interlaced video support
- ❑ MPEG-2 and MPEG-4 compatible
- ❑ Dual simultaneous encoding MPEG-2/4
- ❑ Simultaneous encoder/decoder operation
- ❑ Web browser interface
- ❑ Quadplex-hard disk recording
- ❑ Integrated video scene analysis
- ❑ Full duplex audio transmission
- ❑ Multicasting and Internet Streaming
- ❑ Modular digital CCTV Matrix

TECHNICAL DATA

Specifications

Video Standards	ISO/IEC 13818-2 (MPEG-2) MP@ML ISO/IEC 14496 (MPEG-4)
Audio Standards	ISO/IEC 11172-3 (MPEG-1) Layer I/II; 300 Hz - 10 kHz (MPEG-2) G.711 (MPEG-4)
Multiplex Standards	ISO/IEC 13818-1 (MPEG-2)
Data Rate	1 MBit/s - 8 MBit/s (MPEG-2) 9.6 kBit/s - 1.5 MBit/s (MPEG-4) Constant & variable
Stream Types	Elementary, program stream
Video Encoder/ Decoder	MPEG-2: 720 x 576 full D1, 352 x 288 CIF MPEG-4: 704 x 576 4CIF, 704 x 288 2CIF, 352 x 288 CIF, 176 x 144 QCIF GOP structure: I, IP, IBP, IBBP Low latency mode Overall delay (IP): 198/170 ms (PAL/NTSC, MPEG-2) 150 ms (MPEG-4) Field/frame based coding Selectable frame rate: 1-50/60 fields/s
Audio Encoder/ Decoder	Sampling rate: 48 kHz
Network Protocols	RTP, RTCP, UDP, TCP, IP, HTTP, IGMP, ICMP, ARP, DHCP, SNMP
Software Update	Flash ROM, remote programmable
Configuration	Via Web browser, built-in Web server

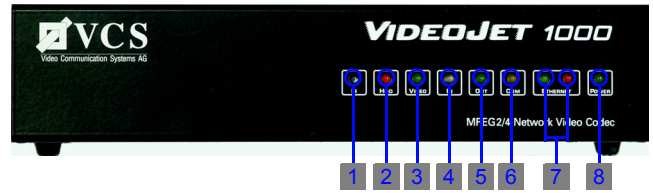
Interfaces

Video In	1 x analog composite: NTSC or PAL; BNC connector 75 Ω switchable, 0.7-1.2 Vpp
Video Out	1 x analog composite: NTSC or PAL; BNC connector 75 Ω , 1 Vpp
Audio In	1 x stereo line in, stereo jack 3.5 mm, 3 Vpp, ca. 50 k Ω
Audio Out	1 x stereo line out, stereo jack 3.5 mm, 2.5 Vpp, 60 mW, min. 8 Ω
Trigger Input	1 x clamp (non-isolated closure contact type), max. 24 V, max. activation resistance 10 Ω
Relay Output	1 x clamp, 30 Vpp, 1 A
COM-Ports	1 x RS232/422/485, 9-pin Sub-D 1 x RS232, 9-pin Sub-D
Ethernet	10/100 Base-T, autosensing, half/full duplex, RJ45

Power, Environmental, Approvals

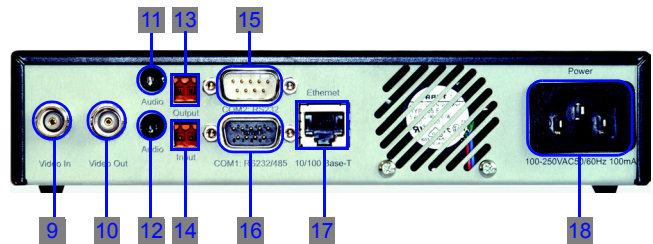
Input Voltage	90 - 250 VAC, 50/60 Hz
Power Consumption	Max. 33 VA
Weight	App. 2.0 kg w/o HD, app. 2.7 kg with HD
Operating Temperature	0 - 50 $^{\circ}$ C ambient temperature
Humidity	20 - 80%, atmospheric humidity (not cond.)
Approvals	CE: IEC 60950; UL 1950; J 60950; AS/NZS 3548; EN 55103-1,-2; EN 55130-4; EN 55022; EN 55024; EN 61000-3-2; EN 61000-3-3, FCC 47 CFR Ch.1 Part 15

Front



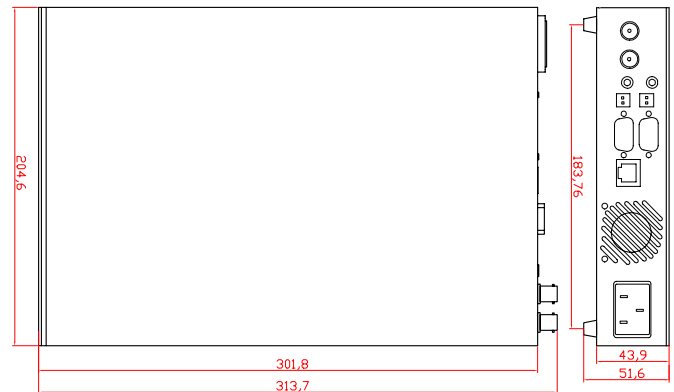
- | | |
|--------------------------------|-----------------------------------|
| 1 Infrared receiver | 5 Relay output active |
| 2 Hard disk | 6 Serial port activity |
| 3 Video signal present | 7 Ethernet link active, packet TX |
| 4 Trigger input enabled/active | 8 Power on/connected |

Rear



- | | |
|-----------------|-------------------------------|
| 9 Video input | 14 Trigger input |
| 10 Video output | 15 COM port 2: RS232 |
| 11 Audio output | 16 COM port 1: RS232/422/485 |
| 12 Audio input | 17 FastEthernet 10/100 Base-T |
| 13 Relay output | 18 Power connector |

Dimensions



Sizes in mm

ORDERING INFORMATION

Article-Code	Description
2904	VideoJet 1000 Codec with internal 40 GB HD
2924	VideoJet 1000 ^F Codec with internal 120 GB HD
1412	Accessory Kit 19" Rack: fits one or two units in 1 HU
On request	Web Toolkit, VCS SDK, RCP+ Reference

Content of Delivery

- VideoJet 1000 MPEG-2/4 Network Video Codec incl. mains cable (EU, UK, US or AUS)
- RS232 Null modem cable
- 'Quick Installation Guide' (german/english)
- CD-Rom with manual (german/english) and VCS software



Video Communication Systems AG

Forchheimer Strasse 4
90425 Nuremberg/Germany
Phone: +49-911-93 456-0
Fax: +49-911-93 456-66

E-mail: info@vcs.com
Internet: http://www.vcs.com