

Designed for the toughest demands of professional CCTV, large-scale security projects and enterprise TV distribution the VideoJet XPro features unlimited flexibility and scalability. Each 7-HU XPro cabinet is available with single or redundant power supply. It has room for up to 20 VideoJet XPro cartridges providing a maximum of 160 non-multiplexed video streams.

Fully customizable the VideoJet XPro can come with any combination out of 3 different cartridge types offered. The V8 cartridge transmits 8 PAL or NTSC video channels, the VA8 in addition offers full-duplex audio channels. The HDD cartridge adds hard disks for efficient local recording and ANR high-reliability networked recording.

Highest port-density and uncompromising video quality make the VideoJet XPro a great drop-in replacement for existing multiplexers and DVRs. It provides exceptional price/performance, modularity and reliability particularly required for projects in government, retail and transportation. With VIDOS and VIDOS-NVR software, the XPro is ideal for applications with demanding specifications and long life spans.

## HIGHLIGHTS

- > Modular digital CCTV matrix
- > Highest port-density in compact 7 HU
- > Fully customizable
- > 3 cartridge types
- > Single or redundant power supply
- > Full D1 resolution for each channel
- > Fully interlaced video
- > Transmitter and DVR operation
- > GigabitEthernet, ISDN & USB
- > Triplex hard disk recording
- > Integrated video scene analysis
- > Comprehensive security features
- > Multicasting & Internet Streaming



## TECHNICAL DATA VIDEOJET XPRO V8

### SPECIFICATIONS

<b>Video Standards</b>	ISO/IEC 13818-2 (MPEG-2) MP@ML; M-JPEG
<b>Video Data Rate</b>	1 MBit/s - 5 MBit/s per channel Constant & variable
<b>Video Resolution</b>	720 x 576 (full D1: 50 resp. 60 fields/s*) 352 x 288 (CIF: 25 resp. 30 fps*)
<b>GOP Structure</b>	I, IP, IPB, IPBB
<b>Overall Delay (IP)</b>	198 resp. 180 ms (PAL resp. NTSC)
<b>Select. Frame Rate</b>	1-50 resp. 60 fields/s (PAL resp. NTSC); Field/frame based coding
<b>Multiplex Standards</b>	ISO/IEC 13818-1 (MPEG-2)
<b>Stream Types</b>	Elementary (video only), program stream
<b>Network Protocols</b>	RTP, Telnet, UDP, TCP, IP, HTTP, IGMP, ICMP, ARP, SNMP
<b>Software Update</b>	Flash ROM, remote programmable
<b>Configuration</b>	Via Web browser, built-in Web server

### INTERFACES

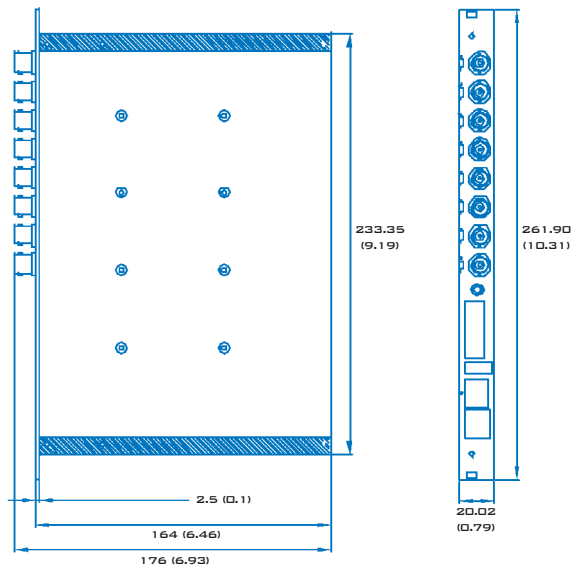
<b>Video In</b>	1x analog composite: NTSC or PAL; BNC connector 75 Ohm switchable, 0.7-1.2 Vpp
<b>Alarm In</b>	10x clamp (non-isolated closure contact type), max. activation resistance 10 Ohm
<b>COM Port</b>	1x RS232/422/485, RJ45
<b>USB Port**</b>	1x 2.0 external interface
<b>Ethernet</b>	10/100/1000 Base-T, autosensing, half/full duplex, RJ45
<b>ISDN**</b>	RJ45, SO-Basic-rate
<b>Storage Media (opt.)</b>	Cartridge HDD: 2x 120 or 2x 300 GB HD (8 WU)

### POWER, ENVIRONMENTAL, APPROVALS

<b>Input Voltage</b>	Supplied by cabinet
<b>Power Consumption</b>	Max. 35 VA
<b>Weight</b>	App. 0.7 kg
<b>Operating Temp.</b>	0 - 50 °C (32 - 122 °F) ambient temperature
<b>Humidity</b>	20 - 80% atmospheric humidity (not cond.)
<b>Approvals</b>	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



### SIZES IN MM (INCHES)



\*depends on picture content \*\*supported with later firmware version

Each XPro video cartridge provides 8 non-multiplexed MPEG-2 video streams simultaneously over Gigabit-Ethernet and ISDN. With a maximum data rate of 480 fully interlaced DVD-quality fields per second they provide superb video with best use of bandwidth.

Compatible with both, PAL or NTSC sources the signal can be viewed on any standard PC using software decoder VIDOS or a web browser. With one of

MPEG-2 hardware decoders you can put up box-to-box solutions. The VA8 cartridge additionally offers a video output for local display on a CCTV monitor.

Pure video cartridge V8 is 4-U width, the VA8 cartridge with audio is 8-U width. Also 8-U in size the HDD cartridge features two 120 GB hard disks free in allocation allowing simultaneous playback and back-up while recording.

# TECHNICAL DATA

## VIDEOJET XPRO VAB

### SPECIFICATIONS

<b>Video Standards</b>	ISO/IEC 13818-2 (MPEG-2) MP@ML; M-JPEG
<b>Video Data Rate</b>	1 MBit/s - 5 MBit/s per channel Constant & variable
<b>Video Resolution</b>	720 x 576 (full D1: 50 resp. 60 fields/s*) 352 x 288 (CIF: 25 resp. 30 fps*)
<b>GOP Structure</b>	I, IP, IPB, IPBB
<b>Overall Delay (IP)</b>	198 resp. 180 ms (PAL resp. NTSC)
<b>Select. Frame Rate</b>	1-50 resp. 60 fields/s (PAL resp. NTSC); Field/frame based coding
<b>Audio Standards</b>	MPEG-1: ISO/IEC 11172-3; MPEG-2: Layer I/II; 300 Hz - 10 kHz
<b>Audio Data Rate</b>	256 kBit/s
<b>Audio Sampl. Rate</b>	48 kHz
<b>Multiplex Standards</b>	ISO/IEC 13818-1 (MPEG-2)
<b>Stream Types</b>	Elementary (video only), program stream
<b>Network Protocols</b>	RTP, Telnet, UDP, TCP, IP, HTTP, IGMP, ICMP, ARP, SNMP
<b>Software Update</b>	Flash ROM, remote programmable
<b>Configuration</b>	Via Web browser, built-in Web server

### INTERFACES

<b>Video In</b>	8x analog composite: NTSC or PAL; BNC connector 75 Ohm switchable, 0.7-1.2 Vpp
<b>Video Out</b>	1x analog composite: NTSC or PAL; BNC connector 75 Ohm, 1 Vpp
<b>Audio</b>	8x mono line in (50 kOhm), 8x mono line out (60 mW, min. 8 Ohm), stereo jack 3.5 mm, 1 Vpp or: 8x stereo line, stereo jack 3.5 mm, 50 kOhm, 1 Vpp
<b>Alarm In</b>	10x clamp (non-isolated closure contact type), max. activation resistance 10 Ohm
<b>Relay Out</b>	5x clamp, 30 Vpp, 1 A
<b>COM Ports</b>	1x RS232/422/485, RJ45, 1x RS232, 9-pin Sub-D
<b>USB Port**</b>	1x 2.0 external interface
<b>Ethernet</b>	10/100/1000 Base-T, autosensing, half/full duplex, RJ45
<b>ISDN**</b>	RJ45, S0-Basic-rate
<b>Storage Media (opt.)</b>	Cartridge HDD: 2x 120 or 2x 300 GB HD (8 WU)

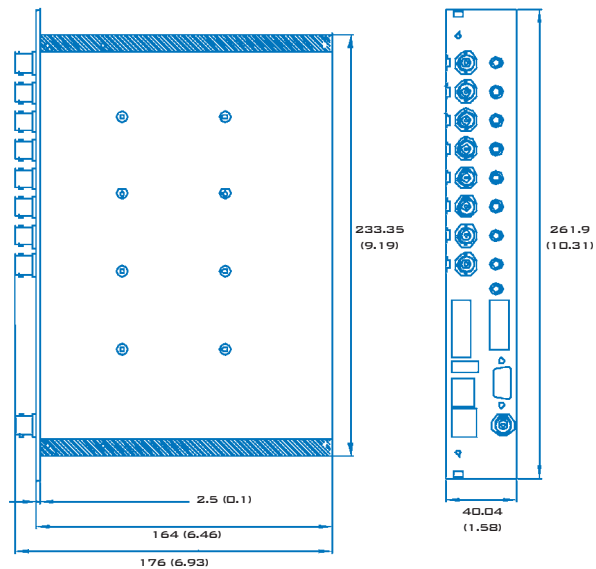
### POWER, ENVIRONMENTAL, APPROVALS

<b>Input Voltage</b>	Supplied by cabinet
<b>Power Consumption</b>	Max. 40 VA
<b>Weight</b>	App. 1.0 kg
<b>Operating Temp.</b>	0 - 50 °C (32 - 122 °F) ambient temperature
<b>Humidity</b>	20 - 80% atmospheric humidity (not cond.)
<b>Approvals</b>	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

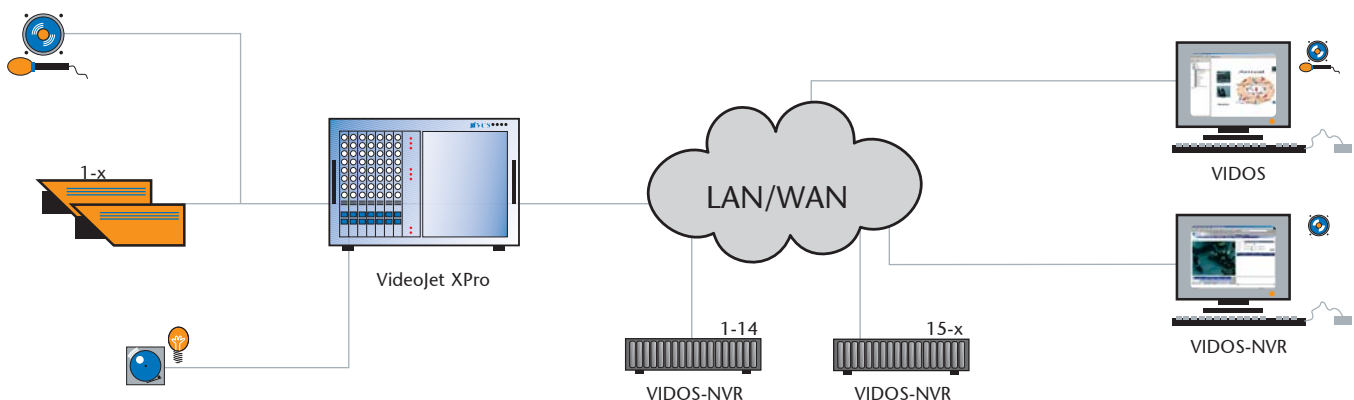
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### SIZES IN MM (INCHES)



### EXAMPLE



## TECHNICAL DATA CARTRIDGE HDD

### SPECIFICATIONS

**Storage** 2x 120 or 2x 300 GB IDE HD

### POWER, ENVIRONMENTAL, APPROVALS

**Input Voltage** Supplied by cabinet

**Power Consumption** Max. 48 VA

**Weight** App. 1.6 kg

**Operating Temp.** 0 - 50 °C (32 - 122 °F) 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



## TECHNICAL DATA CABINETS

### POWER, ENVIRONMENTAL, APPROVALS

**Power Supply** 1x integrated power supply; alternative: two redundant integrated power supplies

**Input Voltage** 90 - 250 VAC, 50/60 Hz

**Power Consumption** Max. 600 VA

**Weight** App. 3.5 kg

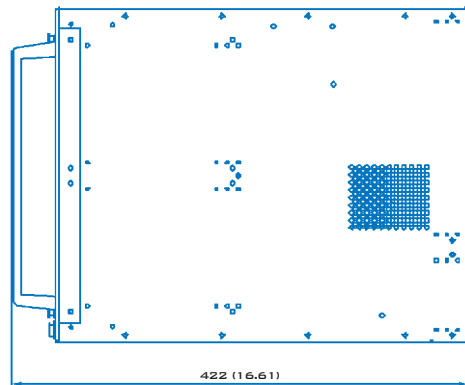
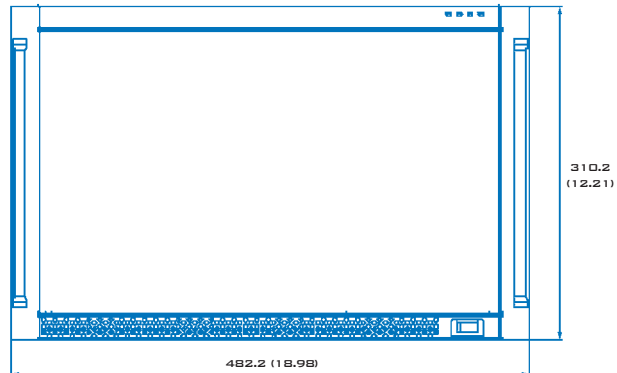
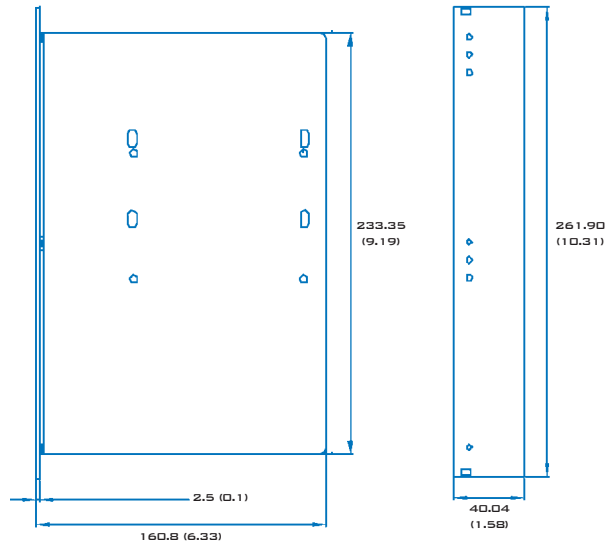
**Operating Temp.** 0 - 50 °C (32 - 122 °F) ambient temperature

**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



### SIZES IN MM (INCHES)



## ORDERING INFORMATION

ARTICLE-CODE	DESCRIPTION
2410	VideoJet XPro Cartridge V8
2420	VideoJet XPro Cartridge VA8
2430	VideoJet XPro Cartridge HDD 240 GB
2432	VideoJet XPro Cartridge HDD 600 GB
2401	VideoJet XPro Cabinet S1 with single power supply
2406	VideoJet XPro Cabinet R2 with redundant power supply
On request	Web Toolkit, SDK, RCP+ Reference

### CONTENT OF DELIVERY

Content depending on customized configuration  
 Quick Installation Guide (german, english)  
 CD-ROM with software and manual (german, english)

### SLD Security & Communications

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