



CathexisVision[®]

ONVIF

Hybrid Video Servers



- **Fully integrated with CathexisVision VMS**
Designed as the perfect compliment to the extensive capabilities of the CathexisVision software suite
- **Linux OS**
Renowned for being the most stable, reliable and secure of Operating Systems
- **Enterprise Class Storage up to 30TB**
Server-grade Hard Drives in removable hotswap caddies accessible from the front panel for ease of maintenance
- **Ultra Durable Industrial Motherboards**
High ESD and High Temperature protection provided by long life components
- **Health Monitoring Watchdog**
A comprehensive suite of self-diagnostic functions detect and report hardware and software issues
- **Secure Rack Mount Chassis**
4U rugged design with locking front panel which also enables simple filter replacement
- **Flexible User Interfaces**
Local, Client, Web and Mobile applications for Live and Review
- **Modular and Scalable Architecture**
Mix and match hardware and software ensuring a cost effective solution to suit all requirements
- **Solid State Operating System drive**
Ensures a stable and reliable operating environment with no moving parts
- **Full Hybrid Capability**
Combine Analogue cameras with the latest HD IP cameras taking advantage of both technologies
- **High Performance Database**
The disk spanning capabilities of our Advanced Database supports up to 800Mbps recording throughput
- **Engineered for stability & reliability**
Quality materials, excellent design and construction anticipates challenging environments
- **Server-grade PSU's**
Energy Efficient (80 Plus) Power Supplies with optional Dual Redundancy on our larger chassis
- **2 Year Hardware Warranty**
A comprehensive hardware replacement warranty for total peace of mind

Hybrid Server Specifications



Detail	HS	HL
Image		
Chassis Type	4U Short Rack Mount	4U Standard Rack Mount
Dimensions (HxWxD)	178x430x375mm	178x430x521mm
Operating System	Linux (Fedora 16.13 or Ubuntu 12.04LTS)	
OS Drive	Industrial 2.5" SSD	
Main Board	Industrial MiniATX	Industrial ATX
Chipset	Intel® B65	
CPU	Intel® SKT1155 2nd Gen G Series Pentium™ for Analogue only servers Optional 3rd Gen Core™i3 or Core™i7 for Hybrid servers	
RAM	4GB DDR3	
Network	2 x RJ45 GbE Realtek RTL8111DL IEEE 802.3, IEEE 802.3u, IEEE 802.3ab Compliant	
Audio Connections	Realtek ALC886 High Definition Line IN / MIC IN / Line Out (3.5mm Stereo)	
RS232 Serial Ports	2 x DB-9 RS232	
USB Ports	8 x USB 2.0/1.1 Rear Panel: 6 Front Panel: 2	
Main System Monitor Outputs	1 x DVI-I (DVI-D signal) 1 x VGA (DB-15)	
Graphics	Intel® HD	
Power Supply	Compact 1U 500W 80+ Efficient (110-240VAC, 50/60Hz)	ATX 550W 80+ Efficient (110-240VAC, 50/60Hz) Optional Dual Redundant
Max Internal Storage Capacity	9TB (3 x 3TB 3.5" Hotswap)	30TB (10 x 3TB 3.5" Hotswap)
Max Internal Optional RAID Storage	N/A	24TB RAID 5+Spare
External Storage Options	USB, NAS	
Optical Archive Drive	Slim Combi CD/DVD Writer	Full Size 5.25" Combi CD/DVD Writer
Max Analogue Cameras per server	36 x Composite 1Vp-p Inputs (up to 3 x 12Ch VOM1512 Capture Cards)	
Analogue Video Connection Options	24 x BNC In (with BNC1500 rear panel) 36 x BNC In (with BNC1600 rear panel) 24 x BNC In / 4 Spot BNC Out (with VMX2024 Matrix rear panel) 36 x BNC In / 4 Spot BNC Out (with VMX2036 Matrix rear panel)	
Analogue Video Compression	MJPEG or MPEG-4 (CIF Resolution)	
Audio Input Features	2 x LINE Input Channels (left / right / stereo) 1 x MIC Input All inputs have adjustable gain and can be assigned to any Video input for recording and / or Live monitoring	
Audio Output Features	Stereo Speakers (for Live and Playback) Bi-directional Audio possible between site and remote monitoring centre	
Max Overall Recording Bitrate	800Mbps ¹	
Telemetry Port Options	2 or 4 Optically Isolated RS485 / RS422 outputs (DB-9 connection) Wide selection of Telemetry protocols available	
Alarm Input / Output Options	8 / 16 Inputs + 8 / 16 Relay Outputs	
IP Camera Support	Yes ² - Please contact the Cathexis Sales Office for further details of system capability	
Notes:		
1	Assumes minimum of 6 x Storage HDD's and Cathexis Advanced Database utilised	
2	These systems will support IP cameras but the overall capability will depend on the combination of Analogue and IP Channels. Cathexis will assist with the design of a suitable system to suit the requirement.	

While Cathexis has made every effort to ensure the accuracy of this document, there is no guarantee of accuracy, neither explicit, nor implied Specifications subject to change without notice.