

PATRIOT 'X-RANGE'

4/8/16/32/64 Channel MIDI ATX 8MP Network Video Recorder

The λ | Cortex Network Video Recorder (NVR) is a professional, scalable platform, providing secure and reliable surveillance for high performance end-to-end security solutions. Our λ | Cortex NVR's are designed and manufactured bespoke to each individual requirement, utilising our preloaded λ | Cortex Viewer software for video management and supporting up to a 4K image resolution.



Key Features

- Real-time 4K camera recording (8MP)
- Recording @25FPS
- UK Built / US developed
- Supports up to 30TB hard disk drive
- Mobile viewing via λ | Cortex GO App
- Customised integration available
- High performance up to 905Mbps of total throughput
- Integrated with Paxton NET2
- View up to 100 populated cameras via λ | Cortex Viewer
- Audio recording
- RAID 1 & 5 Support
- Instant playback
- Intelligent self-maintenance
- H.264 & H.265 compression
- Plug & play



λ | Cortex Viewer License

λ | Cortex Viewer is a license-free Video Management Software allowing users to connect to all C O R T E X NVR's, providing a unified platform for live video and playback.



Accredited Alarm Receiving Centre

λ | Cortex can provide monitoring for our range of NVR's via our NSI Gold Partner, QVIS Monitoring using the Sentinel platform.



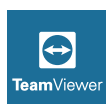
Secure 256-Bit Encrypted Solution

λ | Cortex airlock provides 256-Bit encryption protecting your system from third party vulnerabilities.



Intel Inside

λ | Cortex has been designed and manufactured to utilise Intel i3, i7 & i9 Core Processors.



Remote Management

Team Viewer is fully integrated with λ | Cortex NVR's for remote technical support.



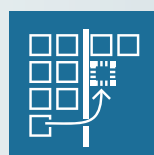
Automatic Number Plate Recognition

Four channels of ANPR free with λ | Cortex. Includes full vehicle management database. Storing up to 1000 number plates.



3 Year Advanced Replacement Warranty

Three year warranty as standard across our full λ | Cortex range.



Simple Two Click, Drag & Drop Operation



Advanced Playback & Export Of Data



Free Cloud Updates & Software Features



PATRIOT 'X-RANGE' MIDI ATX 8MP Network Video Recorder

SYSTEM	
Video Management Software	C O R T E X Viewer
Operating System	Linux
Processor	Intel i3 or i5 (configuration dependant)
Memory	16GB DDR4 RAM
Remote Access	Yes
Local Viewing	Yes
Language	English, German, Italian - More available on request

RECORDING	
Video Compression	H.265
Recording Resolution	4K (8MP)
Video Streaming	Yes
Live View	4/8/16/32/64
Playback	4/8/16/32/64
Incoming Bandwidth	905Mbps
Supported Video Resolutions/Frame Rate	4K (8MP) @25FPS
Supported Channels	4/8/16/32/64

INTERFACE	
Front Panel Connections	2 x USB.3.0
Rear Panel Connections	1 x PS2, 4 x USB 3.0, 2 x USB 2.0, 1 x VGA, 1 x DVI-D, 1 x HDMI, 2 x RJ-45, 1 x line In, 1 x line Out, 1 x mic In
Network Interface	2 x RJ-45 (1000Base-T)
Supported Video Signal Types	PAL/NTSC: NTSC (525 Line) or PAL (625 Line)
Audio Inputs	1
Audio Outputs	1
Alarm Inputs/Outputs	N/A
Video Outputs	HDMI, VGA & DVI-D

STORAGE	
Maximum Storage	30TB (3x 10TB's)
RAID Configuration	RAID 1 or RAID 5 (Specified at point of build)
External Backup Support	Yes

MECHANICAL	
Housing	Steel enclosure
Form Factor	MIDI ATX chassis
Box Dimensions	455mm x 349mm x 155mm

ELECTRICAL	
Power Input	100~240VAC, 50/60Hz
Power Supply	350W or 450W (configuration dependant)
Power Consumption	Configuration dependent

ENVIRONMENTAL	
Operating Temperature	0 to 50°C
Humidity	10 to 90% RH
Atmospheric Pressure	86kps - 106kpa