

ADPRO V3100 Hybrid

Network Video and Audio Recorder / Transmitter

Description

The ADPRO V3100 Hybrid by Xtralis is the latest H.264 single and multi-site video security system supporting up to 16 analogue and/or IP/Megapixel cameras. It has been designed, developed and manufactured by Xtralis, the leader in video security technologies.

When used in conjunction with the ADPRO VideoCentral Platinum management software; the unique combination of video alarm verification, remote site monitoring and control, and evidential quality recording (H.264), it provides the most flexible multi-site video security system available.

The ADPRO V3100 Hybrid delivers optimised image quality, efficient bandwidth and hard disk utilisation, in addition to:

- H.264 compression
- Up to 30 ips NTSC/25 ips PAL per camera
- Analogue: CIF/QCIF/2CIF/DCIF/4CIF – SIF/QSIF/2SIF/DSIF/4SIF
- Scalable up to 4, 8, 12 or 16 analogue; 4 or 8 analogue and 8 IP or 16 IP (Axis H.264, Sony H.264 5th generation IP cameras)
- Fully integrated with ADPRO range of security solutions

Features

- The ADPRO V3100 Hybrid utilises H.264 compression technology which optimises bandwidth utilisation while providing the highest quality video with the lowest bandwidth.
- Dual codec (analogue cameras) or use of Dual stream (IP cameras) for independent recording and viewing quality settings (per camera).
- One audio input per video input for synchronised audio recording
- The intuitive web interface gives authorised users remote access to live and recorded video over the network, either multicast or unicast.
- Provides extremely fast searches through large amounts of recorded video with unique post-record metadata motion search capability. Results are presented on a timeline in seconds without large video data transfers across the network.
- The ADPRO V3100 Hybrid can be managed and configured from the intuitive V3100 internet browser interface.

Video Alarm Verification

- Live and recorded video transmission, two-way audio, remote camera control and flexible integration capabilities provide full remote site surveillance and control, eliminating the need for on-site guards.
- Event-based video transmission pushes video on alarm from the remote site to the ADPRO VideoCentral remote video and alarm management software and ADPRO M3000 command and control software.
- Rapid assessment of video alarm images enables the cause of alarms to be viewed quickly and efficiently, allowing for real time intervention as necessary and minimizing nuisance alarm responses.
- Use ADPRO V3100 Hybrid and the ADPRO VideoCentral remote video and alarm management software or ADPRO M3000 command and control software for centralised management of multiple remote sites to improve efficiency and reduce personnel costs.
- An SDK interface is available to support direct integration to 3rd party receiving software. See the ADPRO Advantage Programme for further information.

Standards-compliant Performance

- ADPRO V3100 Hybrid can be installed to be fully compliant with British Standard, BS8418. This standard specifies superior quality equipment, best practice installation and monitoring requirements that will ensure long term, high performance operation for the end user.



Key Benefits

- H.264 best-in-class video compression, highest quality video with lowest bandwidth
- Dual codec (analogue cameras) or use of Dual stream (IP cameras) for totally independent recording and viewing quality settings (per camera)
- Resolutions:
 - Analogue (PAL/NTSC): CIF/SIF, QCIF/QSIF, 2CIF/2SIF, DCIF/DSIF, 4CIF/4SIF
 - IP: up to HD resolution (depending on the camera)
- Intuitive Web interface for viewing live or recorded video and system configuration
- Automatic video alarm transmission to ADPRO VideoCentral Platinum and ADPRO M3000 software
- Two-way audio capability, one bi-directional half-duplex audio channel available per video channel with optional audio switcher
- Extremely fast post-record metadata motion search capability
- 10 custom configuration settings for fast adjustment of remote live viewing
- Local on-board input/outputs and extended input/outputs with up to 128 total input/outputs via optional Ethernet PoE modules
- Camera supervision for contrast, no video signal and camera tamper (moved or defocused)
- Multicast video and audio streaming
- Primary and backup communication capability via IP, ISDN and PSTN for alarm transmission
- Communication channel supervision via automatic Site Pulse watchdog signal
- Time synchronisation via NTP time servers
- Integrated PTZ telemetry support with PTZ presets on alarm (RS485, via Coax)
- Linux OS - uses flash memory to boot
- Small desktop case includes rack mount ears for easy installation into standard 19" racks
- SDK to interface to 3rd party receiving software
- High Level Interface to ADPRO Presidium intelligent video analytics platform

ADPRO[®]
by **xtralis**[™]

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Specifications

Video input	4, 8, 12 or 16 analogue; 4 or 8 analogue and 8 IP or 16 IP (Axis H.264, Sony H.264 5th generation IP cameras)
Video output	SVGA – Multiple matrix type views
Video compression	H.264
Video resolution	Analogue (PAL/NTSC): CIF/SIF, QCIF/QSIF, 2CIF/2SIF, DCIF/DSIF, 4CIF/4SIF IP: up to HD resolution (depending on camera)
Images/second	Analogue/IP: PAL/NTSC: up to 25/30 ips
Bandwidth consumption	6 ips CIF, 70 kb/sec; 12 ips 4CIF, 400 kb/sec
Bandwidth management	Configurable variable or constant bitrate Configurable bandwidth limiter
Hard disks	500 GB up to 8 TB onboard storage. Disk supervision and HD Information page
Audio input	1 per camera
Audio output	Standard 1 line level output, Optional: up to 1 per camera via audio switcher(s)
Motion detection	4 zones adjustable per camera
System	PC platform - Linux OS
Audio compression	OggVorbis Codec 16 Kbps
Command inputs	On the box (max. 40, depending on the model) or via Ethernet I/O module with PoE (up to 128)
Relay outputs	On the box (max. 16, depending on the model) or via Ethernet I/O module with PoE (up to 128)
Network protocols	TCP, UDP, TELNET, HTTP, SMTP, RTSP, RTP, NTP
Application update	Local and remote
Web server	Integrated
COM ports	USB-RS232 for serial comms USB-RS232/RS485 (or Basic on the box I/O-RS485 port) for PTZ control
Ethernet	10/100/1000 Base-T, auto detection, full duplex, RJ45
Recording support	Up to 4 SATA hard disks per system – HDD type: 500 GB to 2 TB – max. 8 TB per system
Recording type	Continuous, Event, Input, Motion Detection, Alarm Over IP
Remote visualisation	Web client; Windows XP, Vista, Windows 7, Server 2003
PTZ cameras	Via RS485 or via coax, extensive list available
Management	Web browser interface, ADPRO VideoCentral Platinum and ADPRO M3000
Power supply	90-260 VAC, 50/60 Hz
Operating Temperature	5 – 40 °C Ethernet I/O module : 0 – 40 °C
Humidity	20 – 93 % rh – non-condensing Ethernet I/O module : <= 93 % rh – non-condensing
Ordering Information	Basic <ul style="list-style-type: none"> Per 4 or 8 analogue and/or per 8 IP video inputs Model: 19" rack Options (ordering with the basic system) <ul style="list-style-type: none"> Basic on the box I/O card (8 monitored inputs, 4 relay Outputs) Extension on the box I/O card (12 monitored inputs, 4 relay outputs) Internal Hard Disk(s) Audio output switcher, interface for PTZ over coax. USB-RS232 cable, USB-RS485 cable.
Warranty	Twenty four (24) months on all components

ADPRO V3100 Hybrid - 19 inch Rack

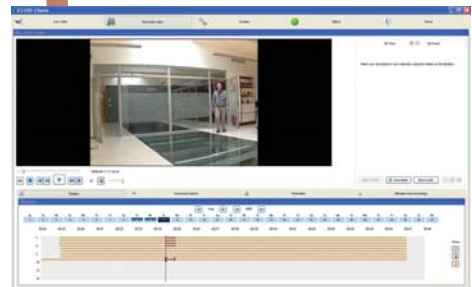


Dimensions	W: 445 mm (17.52") H: 132 mm (5.20") L: 300 mm (11.8")
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ADPRO VideoCentral Live Multi-screen



Web-Browser Interface



Ethernet I/O with PoE

Din Rail installation
4...16 digital inputs
4...16 relay outputs
NC/NO
3 LEDs for operational status of ADPRO V3100 Hybrid
Watchdog and sounder



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