

Xtralis Integrated Security and Access Control V3100 Hybrid

Network Video and Audio
Recorder / Transmitter

Description

The Xtralis V3100 Hybrid is the newest H.264 single and multi-site video security system for the connection of up to 16 analogue and/or IP/Megapixel cameras. It is designed, developed and manufactured by Xtralis, the leaders in video security technologies.

When used in conjunction with the VideoCentral Platinum management software — the unique combination of video alarm verification, remote site monitoring and control, and long duration evidential quality recording (H264) - provides the most flexible multi-site video security system available.

The V3100 Hybrid delivers optimised image quality, effective bandwidth use and reduced hard disk recording space 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
IP: up to HD resolution (depending on the camera)
- Scalable up to 4-8-12 or 16 analogue and/or IP/Megapixel (Axis H.264) cameras
- Fully integrated with Xtralis Access Control and Security Solutions

Features

- The 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 totally 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 vast amounts of recorded video with unique post-record metadata motion search capability. Results are presented on a timeline in seconds without pushing lots of video across the network.
- 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 Xtralis M3000 management software.
- Rapid assessment of video alarm images enables the cause of alarms to be viewed quickly and efficiently, allowing for intervention as necessary and minimising nuisance alarm responses.
- Use V3100 Hybrid and the Xtralis M3000 management 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.

Standards-Compliant Performance

- 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 at 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 M3000 management 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/output modules 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 operating system
- Available in 19" rack mount and desktop
- SDK to interface to 3rd party receiving Software
- High Level Interface to Xtralis ADPRO Presidium intelligent video analytics platform

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Specifications

Video input	4, 8, 12, 16 analogue and/or IP/Megapixel (Axis H.264) cameras
Video output	SVGA – Matrix view
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 PAL/NTSC: 25 ips/30 ips for all resolutions, except 4CIF/4SIF* IP: 25 ips/30 ips for all resolutions
Bandwidth consumption	6 ips CIF, 70 kb/sec; 12 ips 4CIF, 400 kb/sec
Bandwidth	Configurable variable or constant bitrate Configurable bandwidth limiter
Audio input	1 per camera
Audio output	Standard 1 line level output, Optional: up to 1 per camera via audio switcher(s)
Operation	Triplex
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 types: 160 GB, 320 GB, 500 GB – max. 2 TB per system
Recording type	Continuous, Event, Input, Motion Detection, Alarm Over IP
Remote visualisation	Web client; Windows XP, Vista, Server 2003
PTZ cameras	Via RS485 or via coax, extensive list available
Management	Web browser interface and M3000 security management software
Power supply	90-260 VAC, 50/60 Hz
Operating Temperature	V3100 Hybrid: 5 – 40 °C - Ethernet I/O module : 0 – 40 °C
Humidity	V3100 Hybrid : 20 – 93 % rh – non-condensing Ethernet I/O module : <= 93 % rh – non-condensing
* For analogue cameras and with all cameras in 4CIF: 15 ips/camera	
Ordering Information	<p>Basic</p> <ul style="list-style-type: none"> per 4 or 8 analogue and/or per 8 IP video inputs Model : Desktop or 19" rack <p>Options (ordering with the basic system)</p> <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) Removable Hard Disk (max. 2 depending on the model) DVD writer, audio output switcher, interface for PTZ over coax. USB-RS232 cable, USB-RS485 cable.
Warranty	Twenty four months (24) on all components

V3100 Hybrid - 19 inch Rack



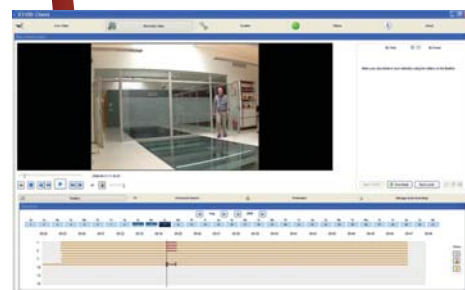
Dimensions	W: 445 mm (17.52")
	H: 132 mm (5.20")
	L: 500 mm (19.7")

V3100 Hybrid – Desktop



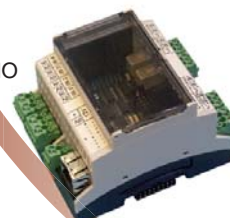
Dimensions	W: 445 mm (17.52")
	H: 145 mm (5.71")
	L: 420 mm (16.54")

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 V3100 Hybrid
Watchdog and sounder



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