

Xtralis ADPRO AFTR

Multi-Site Video Security Recording System



Xtralis ADPRO AFTR is the definitive multi-site video security recording system — designed, developed and manufactured by the leaders in video security technologies.

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

Evidential Quality Recording

High image quality and proof that images have not been altered are essential to event investigation and resolution.

AFTR delivers superior image resolution. Watermarking of images verifies the images have not been altered.

Remote, Multi-site Management

Centralised review and management to improve efficiency and reduce personnel costs.

Live video, two-way audio, remote camera control and flexible integration capabilities provide full remote site surveillance and control, eliminating the need for on-site security staff. Efficient and fast transmission technology, even over slow data links, provides complete surveillance capabilities. Multiple network users can view live activity, search for events of interest or review recorded video without disruption to the recording.

Video Event Verification

Remote assessment of stored video allows verification of event responses.

The Xtralis ADPRO VideoCentral Multi-site Video Security Manager can be run stand alone or easily integrated with third party software systems. Comprehensive search options allow rapid retrieval of prior events, regardless of link speed.

Transaction Data

Video can be linked to data from POS systems, ATMs and access control devices providing powerful management and forensic tools in retail, banking and industrial commercial applications.

Standards-Compliant Performance

AFTR can be installed to be fully compliant with British Standard, BS8418 by the simple purchase of a license upgrade to provide alarm transmission at any time in the future. This standard specifies superior quality equipment, best practice installation and monitoring requirements that will ensure long term, high performance operation for the end user.

Features

- Multi-camera live and recorded views for rapid assessment of all site activity.
- Simultaneous access by multiple remote users to stored or live video without interruption to recording.
- Integrated PTZ telemetry support and PTZ preset on alarm plus optional down-the-coax module.
- Integrated audio recording and optional alarm transmission plus optional audio switcher for multi-channel operation.
- Efficient video compression enables fast access over limited bandwidth links.
- Three communication ports for maximum flexibility.
- Bandwidth throttle constrains data rate within user-selected or network based limits.
- Multiple alarm inputs with tamper detection, flexible mapping and zone isolation.
- Downloadable event log for standards compliant audit trails of site activity.
- Intelligent search capability based on time, events, or activity in user definable areas.
- Continuous and event recording activated by image movement, external sensors or transactions.
- Fast multi-channel video recording at up to 120 images/sec for NTSC or 100 images/sec for PAL.
- Secure viewing software automatically linked to exported evidential images.
- Connection to data sources such as POS, ATM and access control devices for recording transaction data with video and audio.
- Purpose built hardware platform with Embedded Real Time Operating System for reliable, uninterrupted operation.
- High Level Interface to Xtralis ADPRO Presidium intelligent video platform.



ADPRO®

Specifications

Model 5010 and 5020

Video inputs

Selectable CCIR (PAL) or RS170 (NTSC) standard 10 x (5010) & 20 x (5020) – 75 ohm BNC

Video output

Auto-sequencing output – 75 ohm BNC

Recording

- Recording image resolution (colour or mono)
2 CIF, PAL: 704 x 288 pixel (NTSC: 704 x 240) CIF, PAL: 352 x 288 pixel (NTSC: 352 x 240)
QCIF, PAL: 176 x 144 pixel (NTSC: 176 x 120)
- Maximum recording rate, aggregate across all Channels (CIF resolution, 4 VCE-1 fitted) 100/120 images per second PAL/NTSC
- Image compression
Customised H.263 compression with average of 3 kilobytes per image at CIF resolution
- Disk capacity
Up to 4 internally mounted Hard Disk Drives

Audio

Local recording and live audio transmission
Microphone, line and audio switcher inputs
Line, speaker and audio switcher outputs

PTZ

RS-485 telemetry support for over 30 protocols
Optional down the coax telemetry.
Refer to website for latest list of supported protocols and products.

Alarm Inputs

- 20 x (5010) or 30 x (5020) external alarm inputs. Flexible mapping between alarm and video inputs.
Programmable for contact opening or closure.
- Screw terminal connectors
 - Normally Open (NO), Normally Closed (NC), Single End of Line (SEOL) or Dual End of Line (DEOL) tamper detection on each input using supplied resistors
 - Voltage input <0.8 V - logic low, 7 mA (max); between 3.5 V and 5.0 V - logic high

Control Outputs

- 10 x (5010) or 20 x (5020) open collector control outputs for remote control or local alarm indication.
- Screw terminal connectors
 - 12 VDC (max), 100 mA (max)
 - On state output voltage less than 1.1 V @100 mA.
- 1 x general alarm relay with contacts (N/O, N/C).

Live Image Transmission Rate

Maximum update rates with 10% scene changes at VHS quality.
Ethernet: = 25 images/second
ISDN: 128k = 12.5 images/second
PSTN: 33k = 3 images/second

Communication Links

- Network
10BaseT / 100BaseT Ethernet port supporting TCP/IP.
- Serial
Two V.24 interfaces (8 bits, no parity, max data rate = 230 kbps), one via a 9 pin and the other a 25 pin D connector. Both support Hayes AT compatible PSTN or ISDN modems in a dial up or leased line configuration. Support for Multilink PPP or V.120 data protocol over ISDN.

Transaction Interfaces

Using the Transaction Device option, up to 16 RS232 ATM/POS inputs are supported. Please contact your local sales office for currently supported ATM devices or information on providing a customised interface for your application.

Transparent Data Port

1 x serial data port. RS232, 9-pin D-type, max data rate of 57.6 kbps. Supports transparent RS232 data transmission to/from VideoCentral V8.04 or greater.

System Control & Setup

Operator access via Xtralis ADPRO® VideoCentral Lite or Xtralis ADPRO® VideoCentral Gold Version 11 (or later).

Power Requirements

115-230 volts, AC, 50 - 60 Hz. Maximum power dissipation 100 W.

Construction and Dimensions

Standard 19" rackmount, 3U high subrack to DIN4194.
482 mm (19") W x 132 mm (5.2") H x 281 mm (11") L.

Weight

Rackmount – Fully configured system 11 kilograms (22 pounds).

Temperature Range

Operating range 0°C - 40°C (32°F - 104°F).
Humidity less than 90% non-condensing.

EMC Compliance

Emissions: Class A compliance to EN55022, CISPR 22, FCC Part 15, AS/NZS CISPR 22.
Mains Harmonic Current Emissions to EN61000-3-2.
Voltage Fluctuations & Flicker to EN61000-3-3.
Immunity: EN50130-4 (Alarm Systems Product Family Immunity Standard).

Safety Compliance

IEC 60950-1:2001 (CB Report including national deviations for AU, CA, KR, SG, US and EU Group).

Warranty

Twenty four (24) months on all components.

Xtralis ADPRO VideoCentral Lite

Operating System Requirements

Recommend Microsoft® Windows® 2000 Professional (SP4), Windows® XP Professional (SP2) or Windows Server 2003. Internet Explorer V6 or greater.

PC Hardware Requirements

- Intel Pentium III or Celeron - Processor speed 800 MHz min.
- 512 MB memory.
- 10 GB of free hard disk space.
- DVD.
- LAN card Ethernet 10BaseT or 100BaseTX compatible.
- Video card / Monitor 128 bit PCI or AGP video card recommended.
- 1024 x 768 pixel resolution, 16 million colours.
- USB port for dongle.

Ordering Information

202201	AFT-5010-1-1-R AFTR 10 Channel with 1 HDD 1 VCE (without alarm transmission)
202234	AFT-5020-1-2-R AFTR 20 Channel with 1 HDD 2 VCE (without alarm transmission)
202175	AFT-10-R-ATU Upgrade Kit AFTR 10 Channel for alarm transmission
202176	AFT-20-R-ATU Upgrade Kit AFTR 20 Channel for alarm transmission

Other options available by request. Please contact your nearest Xtralis office.

Note:

- Minimum disk size provided is 320 GByte.
- The **AFT-5010-1-1-R** and **AFT-5020-1-2-R** include a copy of the VideoCentral Lite software (without dongle).

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