



The ADPRO FastTx remote video transmission product is the benchmark for live transmission of outstanding quality video and audio. Developed to satisfy the most stringent requirements, ADPRO FastTx encompasses years of technological leadership of the video transmission market for security and surveillance applications.

ADPRO FastTx utilises LAN/WAN network systems or data links to protect and monitor your sites, 24 hours a day, anywhere in the world.

Remote, multi-site management

Centralised 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 users can view live activity without compromising site security.

No Alarms Missed

Automatic transmission and storage of high quality snapshot image sequences from six concurrent alarm events eliminates the threat of decoy alarms.

Rapid and accurate assessment of site activity is provided by the display of high quality stored alarm images in a split screen format.

Outstanding Picture Quality

Using state of the art digital video compression techniques, ADPRO FastTx provides rapid initial image transmission and the fastest updates of all activity. Outstanding picture quality is maintained regardless of the link speed.

Comprehensive Remote Control

Industry standard serial interfaces allow easy integration with a wide variety of telemetry, matrix switcher, access control and image storage systems.

High Quality Audio

Integrated listening ability assists in the alarm verification process, while transmission of the operator's voice to the site provides instant intruder control. ADPRO FastTx uses sophisticated audio compression techniques to ensure that high quality; bi-directional audio uses the minimum possible bandwidth of the communications channel.

Standards-compliant performance

FastTx 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.

Features

- Multi-camera views for rapid assessment of all site activity.
- Simultaneous access by multiple remote users to live video.
- Integrated PTZ telemetry support and PTZ preset on alarm, plus optional down-the coax module.
- Integrated audio 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.
- Secure viewing software automatically linked to exported evidential images.
- Connection to data sources such as EPOS for transaction data along with the video viewing.
- Automatic checking of FastTx operation using SitePulse feature.
- Local indication of Arm/Disarm and Detector status.
- High communications integrity includes communications path diagnostics and back-up.
- Purpose built hardware platform with Embedded Real Time Operating System for reliable, uninterrupted operation.
- Upgradeable to full digital video recording functionality
- Integral activity detection enables cameras to generate an alarm on the occurrence of movement.
- High Level Interface to ADPRO Presidium intelligent video platform.

Specifications

Video inputs

Selectable CCIR (PAL) or RS170 (NTSC) 10 x (AFTX-10) & 20 x (AFTX-20) – 75 ohm BNC

Video output

Auto-sequencing output – 75 ohm BNC

Audio

Live two-way 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 (DTCT) module.

Alarm Inputs

20 x (AFTX-10) or 30 x (AFTX-20) 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 (AFTX-10) or 20 x (AFTX-20) 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/EPOS inputs are supported. Transaction data can be viewed in real time and used to initiate a connection to the CMS. Please contact your local sales office for currently supported 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 Video Central V8.04 or greater.

System Control & Setup

Operator access via ADPRO® Video Central Lite or ADPRO® Video Central Gold Version 9.03 (or later).

Power Requirements

100-240 volts, AC, 50 - 60 Hz. Maximum power dissipation 70 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 CISPR22.

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, US and EU Group).

Warranty

Twenty four (24) months on all components.

ADPRO Video Central 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.
- 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.

Ordering Information

P/N	Model	Description
201843	AFTX-10	AFTX-10 : FastTx 10 Channel
201844	AFTX-10-D	AFTX-10 : FastTx 10 Channel + DTCT (Down-the-Coax Telemetry)
201845	AFTX-20	AFTX-20 : FastTx 20 Channel
201846	AFTX-20-D	AFTX-20 : FastTx 20 Channel + DTCT (Down-the-Coax Telemetry)
201847	AFX-10-DRU	AFTX-10-DRU : Digital Recording Upgrade for 10 channel unit. Refer to ADPRO FastTrace data sheet for specification.
201848	AFX-20-DRU	AFTX-20-DRU : Digital Recording Upgrade for 20 channel unit. Refer to ADPRO FastTrace data sheet for specification.
201800	AFT-50TRANS-1	Transaction Device Option

Note: At least version 10 of Video Central (Lite or Gold) is required.

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