

ADPRO® FastTrace™

Remote Access DVR

ADPRO FastTrace provides evidential quality digital video recording with comprehensive remote access. Manufactured by the world leader in remote video alarm verification, ADPRO FastTrace delivers rapid and reliable retrieval of watermarked images or live video over the widest range of communication networks.

Features

- Increased image quality and longer uninterrupted recording time compared to VCR recording.
- Simultaneous access by multiple users to stored or live video without interruption to recording.
- Digitally watermarked recorded images uniquely linked to event data.
- Secure viewing software automatically linked to exported evidential images.
- Purpose built hardware platform with Embedded Real Time Operating System for reliable, uninterrupted operation.
- Continuous and event driven recording with pre-alarm capabilities allow easy CMS based operation.
- Automatic event recording activated by image movement, external sensors or transactions.
- Internal disk storage capability greater than 100 million images (1 image/second/ camera for 120 days).
- Multi-channel video recording up to 30 images/second/camera, 60 for the system (PAL 25 and 50).
- Intelligent search capability based on time, events or activity detection.
- Efficient video compression enables fast access over limited bandwidth links.
- Three (3) communication ports for maximum flexibility.

- Bandwidth throttle feature contains maximum data rate within user-selected or network based limits.
- Integrated PTZ telemetry support and audio recording/transmission, plus optional audio switcher.
- Multiple alarm inputs with tamper detection and flexible mapping.
- Alarm verification activated by automatic call out and programmable inputs (e.g. panic, duress and intrusion alarms or scene activity).

Increased recording capacity

Store the images that count. Flexible recording options combined with optimum image compression technology allow images to be recorded without interruption at a lower storage cost. Over 100 million high-quality images – as many as on 200 videotapes (1 image/ second from each of 10 cameras for 120 days) - can be stored within a single ADPRO FastTrace recorder.

Evidential quality recording

Proof that images have not been altered and high image quality are essential to event investigation and resolution. Watermarking guarantees accurate validation of images. Changed or tampered images are easily found. ADPRO FastTrace delivers superior image resolution compared to traditional VCR recording.

Reliable, uninterrupted operation

Insist on reliability and reduce operational and resource costs.

Sophisticated software development methods combined with a purpose built hardware platform ensure reliability and eliminate the need for human intervention. Image processing rates can be increased easily with the addition of extra video compression modules.

Rapid remote access

Eliminate the need for on-site investigation.

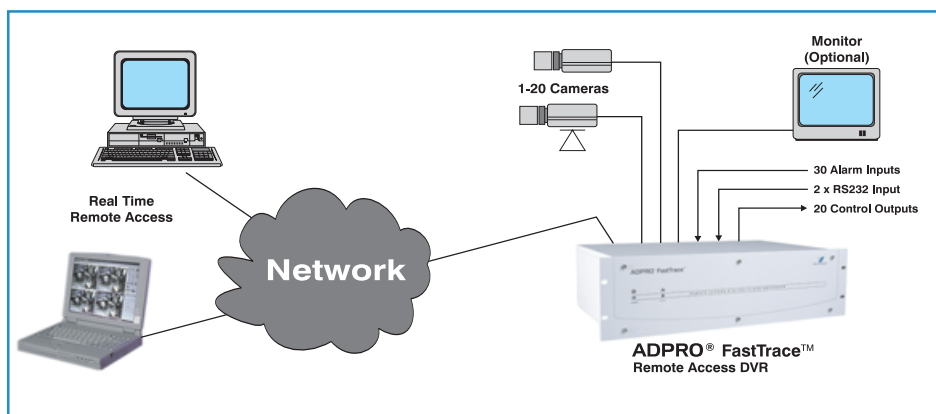
Comprehensive search options combined with fast transmission technology allow rapid remote search and retrieval of events over the widest range of networks, even via a standard telephone line. Multiple network users can search and review without disruption of recording. Central Monitoring Stations can easily integrate APPRO FastTrace into their daily operation.

Remote, multiple site management

Remote alarm notification and site control.

Automatic transmission of images enables the cause of alarms to be seen at a centralised (CMS) monitoring facility. Two-way audio, remote camera Pan/Tilt/Zoom control and other integrated control capabilities provide flexible remote site interaction and control.





Specifications

Model 5010 and Model 5020

Video Inputs

CCIR (PAL) or RS170 (NTSC) standard selectable as a complete set

10x (5010) & 20x (5020) - BNC connectors, 75ohm

Video Output

1x BNC 75ohm composite video

Output auto-sequences, standard matches video input standard selected

Recording

The following specifications are applicable to Model 5010 and Model 5020.

- Recording Image Resolution**
Colour or black and white.
2 CIF, PAL: 704 x 288 pixel (NTSC: 704 x 240)
CIF, PAL: 352 x 288 pixel (NTSC: 352 x 240)
- Recording Rate, aggregate across all Channels**
With one Compression Engine
25 images per second (PAL)
30 images per second (NTSC)
Maximum (with 2 compression engines)
50 images per second (PAL)
60 images per second (NTSC)
These recording rates are for CIF resolution and are halved for 2CIF resolution
- Image Compression**
Customised H.263 compression algorithm resulting in an average of 3Kilobytes per image at CIF resolution and 6 Kilobytes per image at 2CIF.
- Disk Capacity**
Up to 4x internally mounted IDE hard disk drives (HDD).

Alarm Inputs

20x (5010) or 30x (5020) external alarm inputs. Flexible mapping between alarm and video inputs. Programmable for contact opening or closure.

- Screw terminal connectors
- Single End of Line (SEOL) or Dual End of Line (DEOL) tamper detection on each input using supplied resistors
- Voltage input <0.8V - logic low, 7 ma (max); between 3.5V and 5.0V - logic high

Control Outputs

10x (5010) or 20x (5020) open collector control outputs active when channel in alarm

- Screw terminal connectors
- 12VDC (max), 100mA (max)
- On state output voltage less than 1.1V @100mA.

1x general alarm relay with contacts (N/O, N/C).

Live Image Transmission Rate

Maximum update rates with 10% scene changes.

Ethernet: = 25 images/second

ISDN: 128k = 12.5 images/second

PSTN: 33k6 = 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.

Data Ports

2x serial data ports. RS232, 9-pin D-type, max data rate of 19.2 Kbps. For information on supported protocols contact the sales office.

System Control & Setup

Operator access via ADPRO FastTrace PC Viewer software on external PC or ADPRO® Video Central Version 8 (or later).

Power Requirements

115-230 volts, AC, 47 - 63Hz. Maximum power dissipation 100 watts.

Construction and Dimensions

Standard 19" rackmount, 3U high subrack to DIN4194. 482mm (19") W x 88mm (2.7") H x 210mm (8.25") 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, AS3548.

Mains Harmonic Current Emissions to EN61000-3-2.

Voltage Fluctuations & Flicker to EN61000-3-3.

Immunity: EN50130-4 (Alarm Systems Product Family Immunity Standard). (5 cycle dropout with UPS attached).

Safety Compliance

IEC 60950 : 1991 +A1, A2, A3 & A4.

Warranty

Twenty four (24) months on all components except Hard Disk Drives (HDD) which are covered by the manufacturer's warranty.

ADPRO FastTrace PC Viewer Software

Operating System Requirements

Windows 2000 (Professional Edition) or Windows NT4.0 (Service Pack 6 minimum).

PC Hardware Requirements

Intel Pentium III or Celeron - Processor speed 900MHz minimum.

128MB memory - NT4

256MB memory - Windows 2000

Hard disk capacity 10 GB or greater

CD-ROM

Windows compatible PS-2 keyboard and mouse

recommended. LAN card Ethernet 10BaseT or 100BaseTX compatible

Video card / VGA driver 128 bit video card recommended

PCI or AGP slot usage / 800 x 600 pixel resolution, 16 million colours.

Ordering Information

AFT50aa-bxxx-c

aa 10 or 20 for 10 or 20 channel variants

b number of hard disk drives, 1,2,3 or 4

xxx individual hard drive capacity in GBytes

c number of compression engines (max.)

e.g. AFT5020-4080-2 is a 20 channel ADPRO FastTrace with 4 installed 80GByte hard disk drives and 2 installed video compression cards.

AFT-50FTV-1 FastTrace PC Viewer Software

AFT-50HDD-1 Hard Disk Drive Upgrade

AFT-50VCE-1 Compression Card

Note:

- Minimum disk size provided is 80GByte.
- Both the AFT5010 and AFT5020 include a copy of the ADPRO FastTrace PC Viewer software.

Distributed by:

Asia / Pacific

Vision Fire & Security
Private Bag 215
495 Blackburn Road
Mount Waverley
Victoria 3149 Australia
Ph +61 3 9211 7300
Fax +61 3 9211 7202
Toll Free 1800 700 203

The Americas

Vision Fire & Security
35 Pond Park Road
Hingham Massachusetts
02043 USA
Ph +1 781 740 2223
Fax +1 781 740 4433
Toll Free 800 229 4434

Europe & the Middle East

Vision Fire & Security
Vision House
Focus 31, Mark Road
Hemel Hempstead Herts
HP2 7BW UK
Ph +44 (0) 1442 242 330
Fax +44 (0) 1442 249 327

Web Site

<http://www.adpro.com.au>

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By placing an order, the purchaser represents that the FastTrace product will only be used in a lawful manner. The purchaser agrees to indemnify the manufacturer and its distributors for any claims, actions, and legal and/or court fees brought against the purchaser, the manufacturer or its distributors in connection with the purchaser's use of the FastTrace product.


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