

# ADPRO<sup>®</sup> eFT

## Remotely Programmable NVR+

Introducing the ADPRO eFT (ECO FastTrace) Series, the next generation of ADPRO NVR+ platforms, offering low total cost of ownership for multi-service features, quality, and reliability in a superior IP solution.



The ADPRO eFT is an IP video multi-service platform that runs the powerful XO Security+ Operating System. It is the only NVR out there that offers full remote monitoring features such as arming/disarming, event quad pictures, and reliable transmission via a proprietary acknowledge protocol. The eFT optimizes bandwidth use for high quality recording by multi-stream camera connections, adapting video transmission to the available bandwidth.

Designed for remote operation, ADPRO eFT supports the viewing of video and events through networked clients, including CMS and VMS software and the iTrace mobile application for 24/365 monitoring and control wherever you are. ADPRO Xchange also allows you to remotely manage the licensing of additional IP and analytics channels and bulk firmware upgrade for ultimate flexibility.

An eFT device with 8 to 16 video channels and up to 8 premium analytics channels or an eFT device with 8 video channels and 8 analytics channels may be all that you need to strengthen the surveillance at your business.

**ADPRO eFT is a new paradigm of low-cost video surveillance with high-performance and convenience.**

## FEATURES AND BENEFITS

- P2P connection available for easy and flexible remote connection.
- End to end secure streaming where video is encrypted (HTTPS) from the camera right through to the viewer to avoid tampering (when connecting with 30/60 Series IP cameras)<sup>(3)</sup>.
- Support self-encryption hard drive<sup>(1)</sup> (SED) for security data at rest to avoid data tempering risk in case hard drive was removed from device<sup>(4)</sup>.
- Integration with the Honeywell 30/60 Series IP cameras
- Scalable: with 8 to 16 IP cameras and up to 8 analytics channels
- Available in without-PoE ports and with-PoE ports (8 PoE or 16 PoE)
- Support for all major camera brands: ACTI, Arecont, Avigilon, Axis, Bosch, Brickcom, Hikvision, Hikvision AVE, Honeywell (Performance Series, equiP Series, equiP Series 2019, HDZ Series, 30/60 Series), JVC, Panasonic, Pelco, Samsung/Hanwha, Sanyo, Sony, Uniview, VISTA, FLIR, and support ONVIF Profile S & T Compliant IP Cameras
- Easy IP camera connection via Video recording, video analytics, and transmission (all remote monitoring ready)
- Reliable data storage: up to 2/4 x 16 TB for longer recordings at higher quality
- RAID 1 support for reliable storage (needs minimum 2 equal HDD)
- Superior detection and low false alarm rates using integrated IntrusionTrace and LoiterTrace video analytics (licenses required)
- 2-way audio: enables instant remote communication to/from site
- High-level integration with ADPRO PRO E-Passive Infrared (PIR) Detectors, including communication over IP, intelligent double knock, and creep zone alarm
- Remote deployment: commissioning, set-up, configuration and management
- Mobile iOS/Android iTrace App for remote monitoring, verification and control
- Video Central Platinum (VCP) CMS command and control platform
- Open platform: easy integration with third-party software (XO-SDK)
- BS 8418:2015 compliant
- Highest quality of protection with low CapEx and low TCO
- Reliability: ADPRO proprietary transmission protocol is 100% reliable with guaranteed alarm reception by acknowledgement and redundant transmission; Site Pulse protocol life check.
- Efficiency: H.264/H.265<sup>(2)</sup> video compression and multistream for optimal bandwidth usage while providing the highest quality video for recording and viewing.
- Low TCO: 8 to 16 IP cameras and up to 8 analytics channels per device yielding the lowest price per channel.
- Easy management of multiple remote sites improves efficiency and reduces personnel cost. Full remote site surveillance and control, extending human guard surveillance.
- Effective Security: Video and image annotations allow rapid assessment of alarm causes, optimizing real-time intervention to reduce costly loss and/or damage at the site.
- Speed: Alarm reception in less than 7 seconds.
- Extremely fast, intelligent search on motion metadata after recording.
- VMD: 4 zones per camera.
- User-friendly: easy-to-use XO client for configuration and management.
- Xchange2 for adding video and VCA licenses
- Bulk firmware upgrade remotely
- Supporting new licensing type switchable between LoiterTrace and IntrusionTrace.
- 360° camera support + image de-warping: see everything, everywhere, always.
- IP based and support the latest analytics and H265 with 4K resolution video.
- 12V DC input on non-PoE variants.

(1): Depending on models, see ordering information section

(2): iOS iTrace 1.5.0.6, Android iTrace 1.4.1.0, and earlier versions do not support H.265

(3) When secure streaming is enabled. Audio back from XO Client/ CMS to cameras will be disabled.

(4) Encryption hard drive feature is only available when products ordered together with the SED hard drives.

SPECIFICATIONS					
eFT Model		6700 01360	6700 20060 6700 21360	6720 20060 6720 21360 6720 25760	6740 40070 6740 41570 6740 45770
IP Cameras Licenses	Supplied	0	8	8	16
	Max	16	16	16	16
xTrace Analytics Licenses	Supplied	0	0	0	0
	Max	8 <sup>(1)</sup>	8 <sup>(1)</sup>	8 <sup>(1)</sup>	8 <sup>(1)</sup>
Total of IP Cameras + xTrace Analytics licenses (Max)		16	16	16	16
Operating System: ADPRO® XO™ Security Operating System, Linux based					
Video Output: HDMI <sup>(2)</sup> : 2 x HDMI interface; 4K (3840 x 2160)/30Hz, 2K (2560 x 1440)/60Hz, (1920 x 1080)/60Hz, (1600 x 1200)/60Hz, (1280 x 1024)/60Hz, (1280 x 720)/60Hz, (1024 x 768)/60Hz VGA: 1 x VGA interface; (1920 x 1080)/60Hz, (1280 x 1024)/60Hz, (1280 x 720)/60Hz, (1024 x 768)/60Hz					
Video Compression: H.264/H.265 (H.265 supported with Hikvision, Honeywell, ONVIF, and generic driver)					
Video Resolution: Up to 4K resolution; For optimal performance, when using 4K cameras on XO device, the number of cameras and analytic channels (IntrusionTrace and/or LoiterTrace) supported is reduced in proportion to the resolution.					
Frames/second: Full HD/1080p @25/30 fps (PAL/NTSC)					
Bandwidth (video): 16 x 5 Mbps					
Bandwidth Management: Configurable variable or constant bitrate / Configurable bandwidth limiter					
Audio Input: IP camera audio input supported					
Audio Output: Analog audio output (jack 3.5mm) and Digital audio out from IP cameras. Zoned audio supported.					
Built-in Inputs <sup>(3)</sup>		4 Inputs <sup>(3)</sup>			16 Inputs <sup>(3)</sup>
External Inputs (Via XO USB I/O (monitored) + Net I/O unit with PoE)		20 Monitored Inputs (with a single USB connection using USB/External alarm I/O) 40 Monitored Inputs (with dual USB connection using USB/External alarm I/O). up to 128 Monitored Inputs via the network Net I/O units.			
Built-in Outputs*		2 Outputs <sup>(3)</sup>			4 Outputs <sup>(3)</sup>
External Relay Outputs (Via XO USB I/O (monitored) + Net I/O unit with PoE)		8 Relay Outputs (with a single USB connection using USB/External alarm I/O) 16 Relay Outputs (with dual USB connection using USB/External alarm I/O). up to 128 Relay Outputs via the network Net I/O units.			
Web Server: XO client – integrated web client application (ActiveX)					
Maximum Storage Capacity		2 x 16 TB			4 x 16 TB
Network: 2 x RJ45 : 10M/100M/1000M self-adaptive Ethernet interfaces.					
PoE Support		None	8 ports	16 ports	
Recording Type: Schedule/Detection/Event					
IP Camera Integration: Brand specific, Generic, ONVIF, or Honeywell driver					
Management: Web client interface (XO client), ADPRO VCP, third-party software (SDK available), iOS/Android iTrace app					
Power Supply		12V DC, 5A, 60W (230V/12VDC Power supply included)	100V-240V~, 50/60Hz, 2A	100V-240V~, 50/60Hz, 2.5A	
Operating Temperature: 0 to 40°C (+32 to +104 °F)					
Humidity: 10 to 93 % (non-condensing)					
Warranty: 2 years					
Dimensions (W x D x H)		445 x 290 x 45mm (17.5" x 11.4" x 1.8")			445 x 400 x 71mm (17.5" x 15.7" x 2.8")
19" mount supported		No			Yes
Analytics: Basic: Motion Detection, Tampering. xTrace Analytics <sup>(1)</sup> : IntrusionTrace™, LoiterTrace™ (optional licenses required)					

## Mobile Apps

- iTrace: remote monitoring, verification, and control (iOS and Android).

## XO Security Operating System

The XO Security Operating System expands the feature-rich, multi-service capability of the ADPRO NVRs. XO enables an eFT to support up to 16 IP camera channels and up to 8 analytics channels (totally 16 channels, one camera channel can trade off for one analytic channel) allowing a customer to leverage xTrace analytics for intrusion and loitering detection and building management capabilities while providing an immediate remote response. It provides live 24/365 unbreakable transmission of very high-quality video events to remote monitoring stations; providing deterrence through multi-level response, including audio, lighting/door controls, HVAC, as well as first responder dispatch. XO provides the first technology solution to effectively augment human guards security with intelligent and accurate detection more cost-effectively with higher reliability. Customers deploying XO can employ a "pay as you grow" security approach, using analytics where and when they are needed.

## xTrace Analytics

Premium video analytics (additional licenses required):

- IntrusionTrace™**: outdoor video verified perimeter detection for sterile zone monitoring (car dealerships, solar parks, power generation facilities, and warehouses).
- LoiterTrace™**: video verified loitering detection for indoor & outdoor applications (graffiti, parks, carparks, school grounds and construction areas).

The New Analytics Feature for ADPRO allows the customer to order a VCA License with the ability to switch each channel individually between LoiterTrace and IntrusionTrace at any time, saving the need to purchase separate licenses.

<sup>(1)</sup>: A channel must have an IP Camera license before an Analytics license can be added to it.

<sup>(2)</sup>: HDMI resolution must be set in accordance with the resolutions available on the Monitor screen on the XO Software Client.

<sup>(3)</sup>: Built-in I/O will be disabled when external I/O is used.

<sup>(4)</sup>: SED = Self-Encrypting Device

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## For More Information

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## ORDERING INFORMATION

670001360	ADPRO eFT, no IP Cam. licenses, 2TB HDD, 4 inputs, 2 outputs, no PoE, 2 HDD slots
670020060	ADPRO eFT, 8 IP Cam. licenses, no HDD, 4 inputs, 2 outputs, no PoE, 2 HDD slots
672020060	ADPRO eFT, 8 IP Cam. licenses, no HDD, 4 inputs, 2 outputs, 8 PoE, 2 HDD slots
670021360	ADPRO eFT, 8 IP Cam. licenses, 2TB HDD, 4 inputs, 2 outputs, no PoE, 2 HDD slots
672021360	ADPRO eFT, 8 IP Cam. licenses, 2TB HDD, 4 inputs, 2 outputs, 8 PoE, 2 HDD slots
672022760	ADPRO eFT, 8 IP Cam. licenses, 8TB HDD-SED <sup>(4)</sup> , 4 inputs, 2 outputs, 8 PoE, 2 HDD slots
672025760	ADPRO eFT, 8 IP Cam. licenses, 8TB HDD-SED <sup>(4)</sup> , 4 inputs, 2 outputs, 8 PoE, 2 HDD slots
674040070	ADPRO eFT, 16 IP Cam. licenses, No HDD, 16 inputs, 4 outputs, 16 PoE, 4 HDD slots
674041570	ADPRO eFT, 16 IP Cam. licenses, 4TB HDD, 16 inputs, 4 outputs, 16 PoE, 4 HDD slots
674045770	ADPRO eFT, 16 IP Cam. licenses, 8TB HDD-SED <sup>(4)</sup> , 16 inputs, 4 outputs, 16 PoE, 4 HDD slots

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