

# ADPRO® iFT™-E

## Remotely Programmable NVR+

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



The ADPRO iFT-E is the “32:32 vision” IP video multi-service platform that runs the powerful XO 4 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 iFT-E optimises bandwidth use for high quality recording by multistream camera connections, adapting video transmission to the available bandwidth.

The Xchange cloud server application allows you to easily manage the iFT-E and deliver instant remote solutions. Mobile apps, such as iTrace, offer remote accessibility for 24/365 control wherever you are.

## FEATURES AND BENEFITS

- Scalable: up to 32 IP cameras and up to 32 analytics channels (32:32 vision)
- Supports up to 32 high-definition analogue cameras over IP via Honeywell Performance Series HQA DVRs.
- Support for all major camera brands: ACTI, Arecont, Avigilon, Axis, Bosch, Brickcom, Hikvision, Hikvision AVE, Honeywell (Performance series <sup>(2)</sup>, equip Series <sup>(2)</sup>, equip Series 2019 <sup>(3)</sup>, HDZ Series <sup>(2)</sup>, 30 Series <sup>(3)</sup>), JVC, Panasonic, Pelco, Samsung, Sanyo, Sony, Uniview <sup>(3)</sup>, VISTA<sup>(3)</sup>, and FLIR<sup>(3)</sup>, and support for cameras with ONVIF Profile S & T Driver
- Expandable: up to 156 inputs and 140 outputs (on the box : 8 in / 4 out or 20 in / 8 out depending on model)
- Easy IP camera connection via ONVIF Profile S & T protocol
- Video recording, video analytics, and transmission (all remote monitoring ready)
- Reliable data storage: up to 4 x 10 TB HDD, RAID 1 support (needs minimum 2 equal HDD)
- Integrated xTrace video content analytics (VCA) in XO 4: IntrusionTrace and LoiterTrace
- 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
- Field programmability via the Xchange licensing tool: rapid deployment of ADPRO xTrace Analytics (pay-as-you-grow), video licenses, and firmware updates
- Mobile apps for remote monitoring, verification, and control
- CMS command and control platforms: VideoCentral Platinum (VCP), Event Management System (EMS) and iOS/Android iTrace App
- Open platform: easy integration with third-party software (XO-SDK)
- BS 8418:2015 compliant <sup>(4)</sup>
- DGUV-UVV Kassen certified
- Superior detection and low false alarm rate with low CapEx. Highest quality of protection at a low TCO.
- Highest site protection: powerful new XO 4 delivering intrusion and loitering analytics.
- Reliability: ADPRO proprietary transmission protocol is 100% reliable with guaranteed alarm reception by acknowledgment and redundant transmission; Site Pulse protocol life check.
- Efficiency: H.264/H.265 video compression and multistream for optimal bandwidth usage while providing the highest quality video for recording and viewing.
- Low TCO: up to 32 IP cameras 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.
- Speed: rapid assessment of video alarm images allows to quickly identify the alarm cause, optimizing real-time intervention while reducing expensive nuisance alarm responses.
- 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.
- Xchange tool for adding and transferring video and VCA licenses on-site.
- 360° camera support + image de-warping: see everything, everywhere, always.

(1) If a 12 Megapixel IP camera is used with the XO enabled iFT-E Series, then a maximum of 12 cameras, with a maximum of 12 video analytics channels (IntrusionTrace and/or LoiterTrace) can be used.

(2) The Honeywell Performance, equipIP, and HDZ series IP cameras are supported from version XOa 3.2.33.

(3) The Uniview, Honeywell equipIP Series 2019 and 30 Series, VISTA, and FLIR cameras are supported from version XO 4.5.

(4) Code of Practice for the installation and remote monitoring of detector activated CCTV systems.

# ADPRO® IFT-E

SPECIFICATIONS	
<b>OPERATIONAL</b>	
OPERATING SYSTEM	ADPRO® XO™ Security Operating System, Linux based
VIDEO INPUT	1–32 IP cameras
VIDEO OUTPUT	XGA – Multiple matrix type views
VIDEO COMPRESSION	H.264/H.265*
VIDEO RESOLUTION	Up to HD/MP resolution**
IMAGES/SECOND	Full HD @25/30 ips – MPixel: ips is camera dependent
BANDWIDTH CAPACITY	32 x 5 Mbps
BANDWIDTH MANAGEMENT	Configurable variable or constant bitrate / Configurable bandwidth limiter
AUDIO INPUT	Built-in audio input supported***
AUDIO OUTPUT	Standard 1 line level output. Optional: up to 1 per camera via audio switcher(s). Audio out on IP cameras** with ONVIF Profile S driver
COMMAND INPUTS	8 or 20 inputs on the box depending on model (monitored), + 20 inputs (monitored) via XO I/O Interface USB module, Via Network I/O module with PoE: up to 128***
RELAY OUTPUTS	4 or 8 outputs on the box (SPDT) depending on model, + 8 outputs (SPDT) via XO I/O Interface USB module Via Network I/O module with PoE: up to 128 (SPDT)
WEB SERVER	XO client – integrated web client application (ActiveX)
ETHERNET	2 x 100/1000BASE-T, autodetection, full duplex, RJ45
RECORDING TYPE	Schedule / Detection / Event
IP CAMERA INTEGRATION	Brand specific, Generic, or ONVIF Profile S & T** driver
MANAGEMENT	Web client interface (XO client), ADPRO VideoCentral Platinum, HeiTel Event Management Software, third-party software (SDK available) and iOS/Android iTrace App.
POWER SUPPLY	100–240 VAC, 50/60 Hz
OPERATING TEMPERATURE	5–40 °C
HUMIDITY	20–93 % RH non-condensing
DISK CAPACITY	Max. 4 x 10 TB SATA hard disks. RAID 1 support (= min. 2 equal HDD)
WARRANTY	2 years
DIMENSIONS (W X H X D)	441 x 88 x 305 mm (17.36" x 3.46" x 12.00")
ANALYTICS	Basic motion detection (VMD), camera sabotage detection. Up to 32 analytic channels for IntrusionTrace™ and LoiterTrace™(separate datasheets available)
MOBILE APPS	iTrace, iPIR, iCommission

\* H.265 supported with Honeywell, Hikvision, ONVIF and generic drivers.  
 \*\* Camera dependent. List of supported IP cameras is available on [www.xtralissecurity.com](http://www.xtralissecurity.com)  
 \*\*\* Monitored or unmonitored inputs depending on Net I/O unit V2 hardware and V2 firmware.

ORDERING INFORMATION	
63021510	ADPRO iFT-E 8IP-4TB-8I-4O (4 HDD ready)
63041610	ADPRO iFT-E 16IP-6TB-8I-4O (4 HDD ready)
63001820	ADPRO iFT-E OIP-10TB-20IN/8OUT (4HDD Ready)
63040020	ADPRO iFT-E 16IP-NO HDD-20IN/8OUT (4HDD Ready)
63041620	ADPRO iFT-E 16IP-6TB-20IN/8OUT (4HDD Ready)
63081820	ADPRO iFT -E32IP-10TB-20IN/8OUT (4HDD Ready)
63082620	ADPRO iFT-E 32IP-2x6TB-20IN/8OUT (4HDD Ready)

## Find out more:

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[www.security.honeywell.com](http://www.security.honeywell.com)

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## Mobile Apps

- iTrace: remote monitoring, verification, and control (iOS and Android).
- iPIR: allows one person to commission ADPRO PRO E-PIRs: wireless walk testing and parameter adjustment (iOS).
- iCommission: allows one person to vertically align ADPRO PRO E-PIRs (iOS).

## XO 4

The XO Security Operating System expands the feature-rich, multi-service capability of the ADPRO NVRs. XO 4 enables an iFT-E to support up to 32 IP camera channels with up to 32 analytics channels simultaneously allowing a customer to leverage xTrace analytics for intrusion & loitering detection and building management capabilities while providing 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 4 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 4 can employ a "pay as you grow" security approach, using analytics where and when they are needed.

## xTrace Analytics

Add-on video analytics:

- IntrusionTrace: outdoor video verified perimeter detection for sterile zone monitoring (car dealerships, solar parks, power generation facilities, and warehouses). For more information on i-LIDS® certification, refer to document no. 21802. Please note: i-LIDS certification has been superseded by CPNI Classification - Approved for UK Government Use, for details contact CPNI.
- LoiterTrace: video verified loitering detection for indoor & outdoor applications (graffiti, parks, carparks, school grounds and construction areas).