

ADPRO® FastTrace™ 2E-RMG

Remotely Programmable NVR



The ADPRO FastTrace 2E is the best-in-class video recording and alarm transmission solution available. This hardware platform now runs the latest ADPRO XO Security Operating System, to create a powerful Remotely Managed Multiservice Gateway (RMG). The RMG is scalable up to 32 video channels, of which 4 to 20 analogue channels, expandable with up to 32 IP channels. Furthermore, up to 32 analytic channels are possible.

This RMG solution provides video recording, bi-directional audio for deterrence, transmission over any network, and remotely downloadable video content analytics (VCA). It detects threats to a facility through automatic video detection and visual verification. Its superior detection capabilities offer significant installation and operational cost savings compared to traditional intrusion detection methods.

Features

- Flexible: suitable for IP and analogue CCTV environments
- Scalable: up to 32 IP cameras, of which up to 20 analogue cameras
- Support for all major camera brands: ACTI, Arecont, Avigilon, Axis, Bosch, Brickcom, Hikvision, Hikvision AVE, Honeywell Performance*, Honeywell equip*, Honeywell HDZ*, JVC, Panasonic, Pelco, Samsung, Sanyo, Sony, and support for cameras with ONVIF Profile S driver.
- Expandable: up to 168 inputs and 144 outputs
- Easy IP camera connection via ONVIF Profile S protocol
- Video recording, video analytics, and transmission (all remote monitoring ready)
- Reliable data storage: up to 4 x 10 TB, RAID 1 support (needs min. 2 equal HDD)
- Integrated xTrace video content analytics (VCA) in XO 4: IntrusionTrace, LoiterTrace, and SmokeTrace
- 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 Xtralis Xchange licensing tool: rapid deployment of Xtralis 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)
- BS8148-2015 compliant**
- DGUV-UVV Kassen certified

Key Benefits

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, loitering and smoke verification analytics.
- 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 video compression, dual codec (analogue) and multistream (IP) for optimal bandwidth usage while providing the highest quality video for recording and viewing.
- Low TCO: up to 32 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, optimising 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.



* The Honeywell Performance, equip, and HDZ series IP cameras are supported from version XOa 3.2.33.

** Code of Practice for the installation and remote monitoring of detector activated CCTV systems.



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Specifications

Operating System	ADPRO® XO™ Security Operating System, Linux based
Video Input	Up to 32 video inputs. Modular: 4–20 analogue cameras; 1–32 IP cameras.
Video Output	XGA – Multiple matrix type views
Video Compression	H.264
Video Resolution	Analogue: CIF/SIF, QCIF/QSIF, 2CIF/2SIF, 4CIF/4SIF IP: up to HD/MP resolution*
Images/Second	PAL/NTSC/Full HD: up to 25/30 ips – MPixel: ips is camera dependent
Bandwidth Consumption	32 x 5 Mbps (6 ips CIF, 70 kbps; 12 ips 4CIF, 400 kbps)
Bandwidth Management	Configurable variable or constant bitrate / Configurable bandwidth limiter
Audio Input	Analogue: 1 per camera. IP: 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	Up to 40 inputs on the box (balanced), depending on model. Via Ethernet I/O module with PoE: up to 128 (go – no go)
Relay Outputs	Up to 16 outputs on the box (SPDT), depending on model. Via Ethernet I/O module with PoE: up to 128
Web Server	XO client – integrated web client application (ActiveX)
Ethernet	2 x 100/1000BASE-T, autodetection, full duplex, RJ45
Recording Type	Schedule, Detection, Event
PTZ Cameras	Analogue: via RS-485 or coax (DTC); extensive range of protocols available. IP: brand specific, generic, or ONVIF Profile S*
IP Camera Integration	Brand specific, Generic, or ONVIF Profile S 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 x equal HDD)
Warranty	2 years
Dimensions	(W x H x D): 445 x 132 x 300 mm (17.52" x 5.20" x 11.8")
Analytics	Basic motion detection (VMD), camera sabotage detection. Up to 32 analytics channels for IntrusionTrace™, LoiterTrace™, and SmokeTrace™ (separate datasheets available)
Mobile Apps	iTrace, iPIR, iCommission, iRespond
Ordering Information	Available models: IP, Hybrid, IP Tx, Hybrid Tx (Tx = transmission only). Please contact your local Xtralis ADPRO provider for detailed product information.

* Camera dependent. List of supported IP cameras is available on www.xtralissecurity.com

Mobile Apps

- iTrace: remote monitoring, verification, and control (iOS and Android).
- iRespond: provides first responders (police, fire brigade, etc.) with real-time situational awareness (iOS).
- 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).



XOa 4

The XO Security Operating System expands the feature-rich, multi-service capability of the ADPRO RMGs. XO 4 enables a FastTrace 2E to support up to 32 camera channels with up to 32 analytics channels simultaneously allowing a customer to leverage xTrace analytics for intrusion & loitering detection, visual smoke verification 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.
- LoiterTrace: video verified loitering detection for indoor & outdoor applications (graffiti, parks, carparks, school grounds and construction areas).
- SmokeTrace: remote visual smoke verification (nuclear power plants, transformer rooms, shopping malls and transportation hubs).



www.xtralis.com/FastTrace2E

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