ADPRO XO 4: CONNECTED. DETECTED. PROTECTED.

ADPRO NVR+ systems running the XO 4 Security+ Operating System are the security industry’s most powerful solutions and threat prevention solutions.

Available for a variety of market applications, from small to medium sized businesses (SMB), to Enterprise Retail Outlets, to Critical Infrastructure, no other security software can deliver all the features of ADPRO XO 4.
OVERVIEW

ADPRO XO 4.5 underpins the feature-rich, multi-service capability of the ADPRO NVR platforms. Supporting up to 32 camera channels with up to 32 analytics channels simultaneously; it offers video intrusion detection (IntrusionTrace), video loiter detection (LoiterTrace), and building management capabilities with immediate and robust alarm notification for remote monitoring. XO 4.5 is compatible with the FT Series devices (IFT and IFT-E), recent FastTrace 2E devices, and the IFT Gateway.

NEW FEATURES IN XO 4.5 (FOR UPGRADES FROM XO 4.3)
• Anonymization of people and/or moving objects for SDPR compliant applications
• Support for additional cameras, including Honeywell’s new Series 30 camera range. Since Series 30 cameras are NDAA compliant, this allows us to offer an NDAA compliant solution for video security applications
• Support for higher resolution analytics streams through the Generic Driver
• Support for firmware rollback
• Improved camera sabotage detection
• Enhanced Alarm Profiles to safeguard against suppressing all alarms
• Support for annotations and events from edge analytics running on Honeywell cameras
• Remote hard disk re-formatting for improved remote maintenance.
• Support for edge based License Plate Recognition. - Events with the license plate will be transmitted to the head-end system where they can be logged and searched.
• Added System Load to status display. Shows utilization level of each processor core and the average CPU utilization

XO 4 CAPABILITIES
• Up to 32 IP cameras at 5Mbps on the FastTrace 2E, IFT, & IFT-E and 4 IP cameras at 2 Mbps on the IFT Gateway
• Up to 32 channels of video content analytics (VCA) running simultaneously – 32/32 vision!!
• Multi-service video content analytics:
  – IntrusionTrace™ with advanced multi-zone parameters for video verified intrusion detection
  – LoiterTrace™ for proactive crime prevention through video verified loiter detection
• Expanded IP camera compatibility list with brand-specific/generic/ONVIF-5 drivers
• IP audio out for remote talk-down to deter threats
• 360° panoscopic camera integration with de-warping
• Storage optimization yields greater database performance and video data protection
• Disk check remotely available (no on-site intervention) for self-healing repair process
• Proprietary life check ensures system operation without unreliable ping
• Latest LINUX operating system for best performance and security
• Easy deployment of VCA: use Xchange for the ADPRO FastTrace 2E, IFT, & IFT-E use ADPRO-IIFT Gateway Commissioning Tool for the IFT Gateway
• Honeywell Performance

REMOTELY PROGRAMMABLE UP TO 32 HIGH DEFINITION IP CAMERAS

XO 4 IP CAMERA SUPPORT
• ACTI
• Arecont
• Avigilon
• Axis
• Bosch
• Brickcom
• Hikvision
• Hikvision AVE
• Honeywell
• Honeywell equiP
• Honeywell Performance

ONVIF DRIVER SUPPORT
With XO 4, ONVIF 5, ONVIF-T camera integration allows efficient interoperability and interfacing.
• Including specific features such as pan, tilt, zoom control, I/O control, and audio streaming
• Enabling end users to easily identify features supported by a profile without determining the compatibility between versions of the ONVIF specification
• IP audio out for talk-down to eliminate threats

ONVIF 5 support for:
• American Dynamics
• Axis
• Canon
• Converex
• Concept Pro
• Dahua
• Ewe
• Geovision
• Grundig
• IC Realtime
• IndigoVision
• LG
• Moog
• Redvision
• Scantec
• Siatec
• Sony
• Tyco
• Vista
• Vivotek
• Xevo
• Zoner

ONVIF T support for:
• Hikvision
• Honeywell

SUPPORTED NVR+ SYSTEMS

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>FT GATEWAY</th>
<th>FASTTRACE 2E</th>
<th>IFT</th>
<th>IFT-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>16</td>
<td>✔️</td>
<td>✔️</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>32</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Analogue Cameras (Hybrid)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 4 Channels</td>
<td>Up to 20 Channels</td>
<td>Up to 32*</td>
<td>Up to 32*</td>
<td></td>
</tr>
<tr>
<td>IP Channels Configuration</td>
<td>4 IP with option to add 4 Analytics</td>
<td>Up to 32 IP with up to 32 Analytics</td>
<td>Up to 32 IP or 16 IP with 16 Analytics</td>
<td>Up to 32 IP with up to 32 Analytics</td>
</tr>
<tr>
<td>Embedded Video Content Analytics</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intrusion-Trace</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>LoiterTrace</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Max Storage Capacity</td>
<td>32 GB SD Card (Minimum Required)</td>
<td>40 TB (4 HDD)</td>
<td>40 TB (4 HDD)</td>
<td>30 TB (3 HDD)</td>
</tr>
<tr>
<td>I/O on the Box</td>
<td>20 In / 8 Out*</td>
<td>40 In / 16 Out</td>
<td>8 In / 4 Out**</td>
<td>8 In / 4 Out**</td>
</tr>
<tr>
<td>Network I/O**</td>
<td>128 In / 128 Out</td>
<td>128 In / 128 Out</td>
<td>128 In / 128 Out</td>
<td>128 In / 128 Out</td>
</tr>
</tbody>
</table>

†† Depending on hardware model selected

360° PANORAMIC camera de-warp

With XO 4 you can visually inspect images from a 360° camera with ease. With just a simple mouse click drag-and-drop you can de-warp a fish-eye view to make intelligent security decisions.

Simple click and drag to de-warp image
REMOTELY PROGRAMMABLE
UP TO 32 ANALYTICS

With XO 4, ADPRO NVR+ customers can easily deploy multiple security and safety analytics channels – up to 32 channels on the FastTrace 2E, IFT, & IFT-E*, and 4 channels on the IFT Gateway. With 32 cameras examined by 25 channels of analytics, nothing will go undetected in your security domain. An ADPRO FastTrace 2E, IFT, & IFT-E NVR+ can sustain 160Mbps video streaming while processing up to 32 video content analytics (VCA) including IntrusionTrace and LoiterTrace. We call this 32/32 Vision, a security approach that goes far beyond standard approaches. An ADPRO IFT Gateway supports 8 Mbps video streaming while processing 4 VCA, including IntrusionTrace and LoiterTrace. With 32 IP cameras at 5Mbps combined with up to 32 analytics, XO 4 provides unprecedented security threat protection in a single box. Further, analytics channels can be easily procured and downloaded from Xchange, a web portal for managing ADPRO analytics software and licenses for the FastTrace 2E, IFT, & IFT-E. For the IFT Gateway, you can easily add analytics using the ADPRO Commissioning Tool. Customers can employ a “pay as you grow” security approach, using analytics where and when they are needed.

ADPRO NVR+ systems are renowned for their multi-service capabilities. On a single box, customers can deploy security and analytics services with a few mouse clicks. Competitive solutions require multiple devices, troublesome interoperability, and field visits or box returns to deliver the same multi-service capabilities. The ADPRO analytics suite includes:

**INTRUSIONTRACE — INTRUSION DETECTION**

IntrusionTrace is i-LIDS® approved and CPNI classified as primary detection system for operational alert used in sterile zone monitoring applications. As such, it is approved for UK Government use. For details contact CPNI.

- Reduce false alarms by up to 90% with real-time visual verification of threat
- Intelligent, high-performance video analytic for real-time intrusion detection
- Designed for 24/365 outdoor monitoring of sterile perimeters
- Optimized using thousands of hours of video covering a range of environmental, seasonal and time of day variations
- Fast and easy commissioning with simple region of interest detection
- Up to 16 directional & non-directional zones
- Red bounding boxes and trails for all alarms for live & recorded video
- Supports thermal and visible light cameras

**LOITERTRACE — PRESENCE AWARENESS**

LoiterTrace enables real-time, reliable detection of unauthorized loitering in a defined area to prevent security breaches, theft and vandalism.

- Optimized using thousands of hours of video covering a range of environmental, seasonal and time of day variations
- Fast and easy commissioning with simple region of interest detection
- User defined detection areas
- Unique static time setting to detect objects and people that remain still for extended periods of time
- 3D calibration extends field-of-view by 30m to provide increased detection at greater distances
- For indoor and outdoor applications

**COMPREHENSIVE CONNECTIVITY TO EXTERNAL DEVICES**

An ADPRO NVR+ running XO 4 can seamlessly connect to a wide variety of external detectors, from access control to PIR detectors to smoke, fire, and gas detectors. XO 4 can easily process all of these detector alarms and warnings in real-time to allow for comprehensive integration of all physical threats in a single box.

<table>
<thead>
<tr>
<th>CONNECTION TYPE WITH ADPRO XO 4</th>
<th>IFT GATEWAY</th>
<th>FASTTRACE 2E</th>
<th>IFT</th>
<th>IFT-E</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Cameras</td>
<td>4 @ 2 Mbps</td>
<td>Up to 32 @ 5 Mbps</td>
<td>Up to 32 @ 5 Mbps</td>
<td>Up to 32 @ 5 Mbps</td>
</tr>
<tr>
<td>Video Analytics Channels</td>
<td>4</td>
<td>Up to 32</td>
<td>Up to 16*</td>
<td>Up to 32</td>
</tr>
<tr>
<td>External Detectors (Alarm) via Relay Inputs</td>
<td>148</td>
<td>168</td>
<td>136</td>
<td>136</td>
</tr>
<tr>
<td>External Devices via Relay Output for Control</td>
<td>136</td>
<td>144</td>
<td>132</td>
<td>132</td>
</tr>
<tr>
<td>ADPRO PRO E-PIR Detectors</td>
<td>N/A</td>
<td>34 with integrated HLI over IP</td>
<td>34 with integrated HLI over IP</td>
<td>34 with integrated HLI over IP</td>
</tr>
</tbody>
</table>

* Trad 1 IP camera channel for a channel of analytics for a total of 32 configurations can scale up to 32 IP without analytics or up to 16 IP with up to 16 analytics

**UNBREAKABLE TRANSMISSION OVER ANY NETWORK**

An XO 4 enabled NVR+ provides superior transmission of alarms and events compared to DVR/NVR solutions. This reliable transmission is essential for effective remote monitoring, and provides end-customers and Central Monitoring Stations (CMS) a value-add that will differentiate their security protection.

**REMOTE COMMAND & CONTROL FOR EFFECTIVE RESPONSE**

The ADPRO iTrace mobile app for XO 4 is a VMS in the palm of your hand! Designed for business owners and site managers, iTrace enables the user to review alarm events, display live and recorded footage from any camera, talk with the site over bi-directional audio, and remotely control lights, gates, and arm/disarm functions from anywhere at anytime. Email alarm events contain a user friendly link for rapidly connecting to the right cameras at the right site for fast response.

**PROTECTION FOR CAR DEALERS**

Auto Dealers have unique security needs. With large properties and expensive assets, perimeter protection is essential. Loitering detection and video motion detection are all essential, especially after hours with no personnel present. All of this is possible on a single ADPRO NVR+, with room for expansion.
ADPRO XO 4: CONNECTED. DETECTED. PROTECTED.

XCHANGE LICENSING TOOL
XO 4 is available from Xchange, the downloadable PC application with the online licensing portal, that enables you to quickly deploy applications to remotely manage, configure and exchange licenses to ADPRO FastTrace 2E, iFT, and iFT-E. This tool enables 1-step, hassle free, deployment of applications and services to your field-deployed platform and reduces installation time. Download and register today to access licenses and so much more.

ADPRO IFT GATEWAY COMMISSIONING TOOL
The ADPRO iFT Gateway Commissioning Tool commissions the ADPRO iFT Gateway device quickly and conveniently. Specify the IP address for the device, register and activate its system and IP licenses, and (optionally) add 4 channels of ADPRO Analytics, in a single process and without rebooting. Once the ADPRO iFT Gateway is commissioned, launch the XO Client and start full configuration of the device from this tool.

OTHER APPLICATIONS
ADPRO XO 4 provides remote monitoring, intrusion detection, perimeter security, loitering prevention and building management ideal for:

- Warehouses
- Schools
- Recycling Sites
- Train/Metro Stations
- Power Plant
- Post Offices
- Parking Areas
- Industrial Plants
- Hotels
- Retail Shopping Centres
- Museums/Galleries
- Bus Stations
- Jewellers/Pawnshops
- Solar Farms
- Casinos/Gambling Halls
- Construction Area Observation
- Small/Local Retail
- Residential
- Remote Site Applications
- and many more applications

For More Information
www.security.honeywell.com/uk
Fax: +44 (0)1928 754 050

Honeywell Commercial Security
Aston Fields Road
Whitehouse Industrial Estate
Runcorn
Cheshire
WA7 3DL
UK
Tel: +44 (0)8448 000 235
www.honeywell.com

© 2019 Honeywell International Inc.