

ADPRO[®]

Detection
and Analytics
Security
Products



ADPRO[®]

The Xtralis ADPRO product range is unique in delivering a complete end-to-end security solution—and because a system is only as strong as its weakest link—you need to invest in a system that embeds integrity and reliability all the way along the critical path.

It's all about reliable end-to-end solutions...

“The Xtralis ADPRO security solution has contributed to increased repeat business from young families who want to enjoy a safe and positive McDonalds dining experience, free from disruption and intimidating behaviour from youth gangs.”

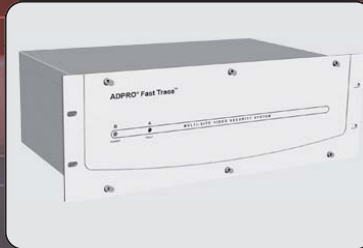
Peter Bolton
Regional Security Manager
McDonalds UK

Xtralis ADPRO® provides a full suite of Transmission equipment—with or without storage—for use on all types of bandwidth connections

Xtralis ADPRO® Intelligent Video System maximises detection rates with minimum false/nuisance alarms

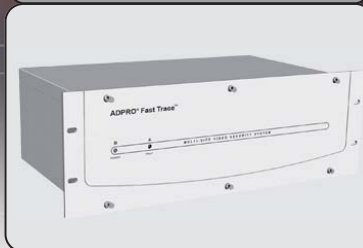
AFT
Multi-Site Video Security System

APR
Intelligent Video System



AFTR
Multi-Site Video Security Recording System

APR-MINI
Compact Intelligent Video System



AFTX
Remote Video and Audio Transmission System



Xtralis ADPRO® VideoCentral is the de-facto industry standard for remote site CCTV alarm management

Xtralis ADPRO® Outdoor Detectors and Audio Equipment ensure premium site performance

Xtralis ADPRO® compatible communications devices instantaneously send event-activated images

VideoCentral
Multi-Site Video Security Manager

PRO Series
PIR Detectors

Communications
Devices*



VideoWall
Multi-Site Surveillance Server

Audio Accessories*



With solutions in over 40,000 customer sites and 400 Central Monitoring Stations worldwide, Xtralis ADPRO security products protect a wide range of markets, including retail, transport, utilities, government, schools and restaurants.

Xtralis has embraced the British Standard BS8418 mandated by UK police jurisdictions and insurance companies alike. By integrating new features into both the Xtralis ADPRO on-site equipment and the Central Station monitoring software, the Xtralis ADPRO range provides an industry leading Standards-compliant solution.

*Audio accessories and Communications devices are not available from Xtralis in all countries. Please check availability with your local office.



Standards-compliant video alarm verification and a powerful interactive monitoring solution that reduces operational costs.



“ Security and loss prevention don't have to be time consuming, labour-intensive or costly. With AFT we can control and manage the CCTV footage from all our retail outlets from one single video control room, resulting in reduced threat of violence, robberies and theft.”

Doug Cook
Corporate Security Manager
T-Mobile Retail

Xtralis ADPRO® AFT Video Transmission & Storage Hardware

Xtralis ADPRO AFT is the video security platform of the future. It features:

- **Quick Access Remote Multi-Site Management** delivering instant video access over a variety of communication links, including PSTN, ISDN, cellular, ADSL or other high speed networks.
- **Image Water-Marking** providing tamper-proof images for use as admissible evidence.
- **Long Duration Digital Recording** enabling storage of typically six times more video images than most other products on the market.
- **Simultaneous Access by Multiple Users** allowing recorded images to be accessed and simultaneously viewed from multiple locations.
- **Transaction Device Interface** enabling quick viewing of fraudulent activities through synchronisation of video footage with data from systems such as Electronic Point of Sale, Automatic Teller Machines, and Access Control.
- **Compliance with British Standard BS8418** ensuring best practice installation and monitoring.
- **High Level Interface** to the Xtralis ADPRO APR Intelligent Video System.
- **Total System Integrity** including the “SitePulse” feature that automatically verifies that an AFT is contactable and operational, a secondary back-up channel if a primary signal fails, extensive system diagnostics plus much more.
- **Xtralis ADPRO AFTR** combined with the Xtralis ADPRO VideoCentral provide a unique combination of video alarm verification, remote site monitoring and control, and long duration evidential quality recording.



Xtralis ADPRO® APR Intelligent Video System

Xtralis ADPRO APR is an outdoor video intrusion detector that uses video analytics to determine when an intruder enters an area. It offers:

- **Protection of the perimeter and protected areas** on a site.
- **Reliable detection** in a wide range of site conditions.
- **Clear presentation** of the cause of the alarm to a local or remote operator.
- **Extremely high detection probability** with minimal probability of nuisance alarms.
- **Excellent anti-tamper capabilities** to detect efforts to disable the system.
- **Simple connection** and integration with our video transmission products for trouble-free installation.
- **A purpose built platform** that ensures highly reliable performance in all conditions.
- **A small footprint** to minimise the space required to house the system.

“We have used Xtralis ADPRO products for over a decade. Xtralis ADPRO continues to be a cost-effective solution for companies, especially those with existing high-speed networks and distributed locations. Xtralis ADPRO’s remote alarm handling functionality is particularly impressive.”

Steve Nelson
Operations Director
Visual Verification (CMS)

Xtralis ADPRO® VideoCentral

Remote Site Video & Alarm Management Software

VideoCentral Gold supports multiple workstations, communications lines and operators and is ideal for Central Monitoring Station and Command Centre alarm management applications.

VideoCentral Lite is designed for the single operator or laptop user. This may include the manager who wants to periodically observe activities on multiple remote sites.

VideoWall provides live viewing of cameras from multiple sites. Control is integrated with VideoCentral Gold.

- **The Fastest Display, Storage and Retrieval of Alarm Images** enabling operators to make the right decision in critical situations.
- **Integrated Audio** enabling transmission of the operator's voice to the site to provide an instant intruder deterrent or access control via two way intercom use.
- **Interactive Site Maps** providing simplified graphical operation and control of remote sites.
- **Control of Devices** such as lights, gates or barriers enabling full remote site interactive monitoring.
- **'Digital Evidence'** ensuring all key data is associated with images thereby enhancing end-to-end integrity and ensuring evidential admissibility.
- **Efficient System Architecture** that scales from small self-monitoring centres to high-volume public Central Stations.
- **Software Developer's Tools** enabling integration with other Alarm Management software to allow video alarm management from either VideoCentral or a third-party user interface.
- **Point-and-Click Zone Isolation**, allowing operators to quickly isolate individual or multiple zones.
- **VideoWall** provides live video from multiple sites onto configurable monitor displays.



A reliable video security system has to start with high performance detection

Xtralis ADPRO® PRO

Outdoor Passive Infra-red Detectors

- **High mounting height** ensures detector positioning out of the reach of vandals and combined with tamper-protected enclosure, delivers BS8418 compliant performance.
- **Easy to install, configure and adjust** by using alignment tools such as alignment telescope and walk tester, installation and display software in combination with a PC. Adjustment and signal monitoring can be done remotely without the need of costly site visits.
- **Anti-tamper** feature provides a tamper output if the detector is moved from its original position, increasing site security.
- **Large choice of product variants** caters for different viewing range requirements, environmental conditions and either perimeter or area protection.
- **Excellent false alarm rejection** by using the latest signal processing and environmental adaptive circuitry.



Xtralis ADPRO® AFTX

Video & Audio Transmission Hardware

AFTX – Remote Video and Audio Transmission System

Xtralis ADPRO AFTX remote video transmission product is the benchmark for live transmission of outstanding quality video and audio.

Developed to satisfy the most stringent requirements, AFTX encompasses years of technological leadership of the video transmission market for security and surveillance applications.

It features:

- **Quick Access Remote Multi-Site Management** delivering instant video access over a variety of communication links, including PSTN, ISDN, cellular, ADSL or other high speed networks.
- **Simultaneous Access by Multiple Users** allowing recorded images to be accessed and simultaneously viewed from multiple locations.
- **Compliance with British Standard BS8418** ensuring best practice installation and monitoring.
- **Total System Integrity** including the “SitePulse” feature.
- **Utilises LAN/WAN network systems** or data links to protect and monitor your sites
- **High Level Interface** to Xtralis ADPRO APR.



High quality video and audio transmission over any bandwidth



Audio & Communications Hardware

Audio, when combined with video monitoring, allows interaction with a site from a remote monitoring station. Direct verbal challenges to an intruder can prevent escalation of a situation to violence or damage and ensures that business continuity is maintained.

Xtralis provides a range of premium audio products such as amplifiers, speakers and intercoms that when used in conjunction with other Xtralis ADPRO audio components, can provide zoning to a mix of up to 20 intercom or PA zones for complete site audio coverage.

Contact your local Xtralis sales office to discuss the range of audio solutions available in your area and for advice on modems, terminal adapters and routers that have been fully tested with the Xtralis ADPRO range of video transmission equipment.

“ADPRO alerts us to the presence of intruders before an attempted break-in, and the causes of alarm can be viewed live at our remote security control room. We were particularly impressed with the integrated video alarm verification features.”

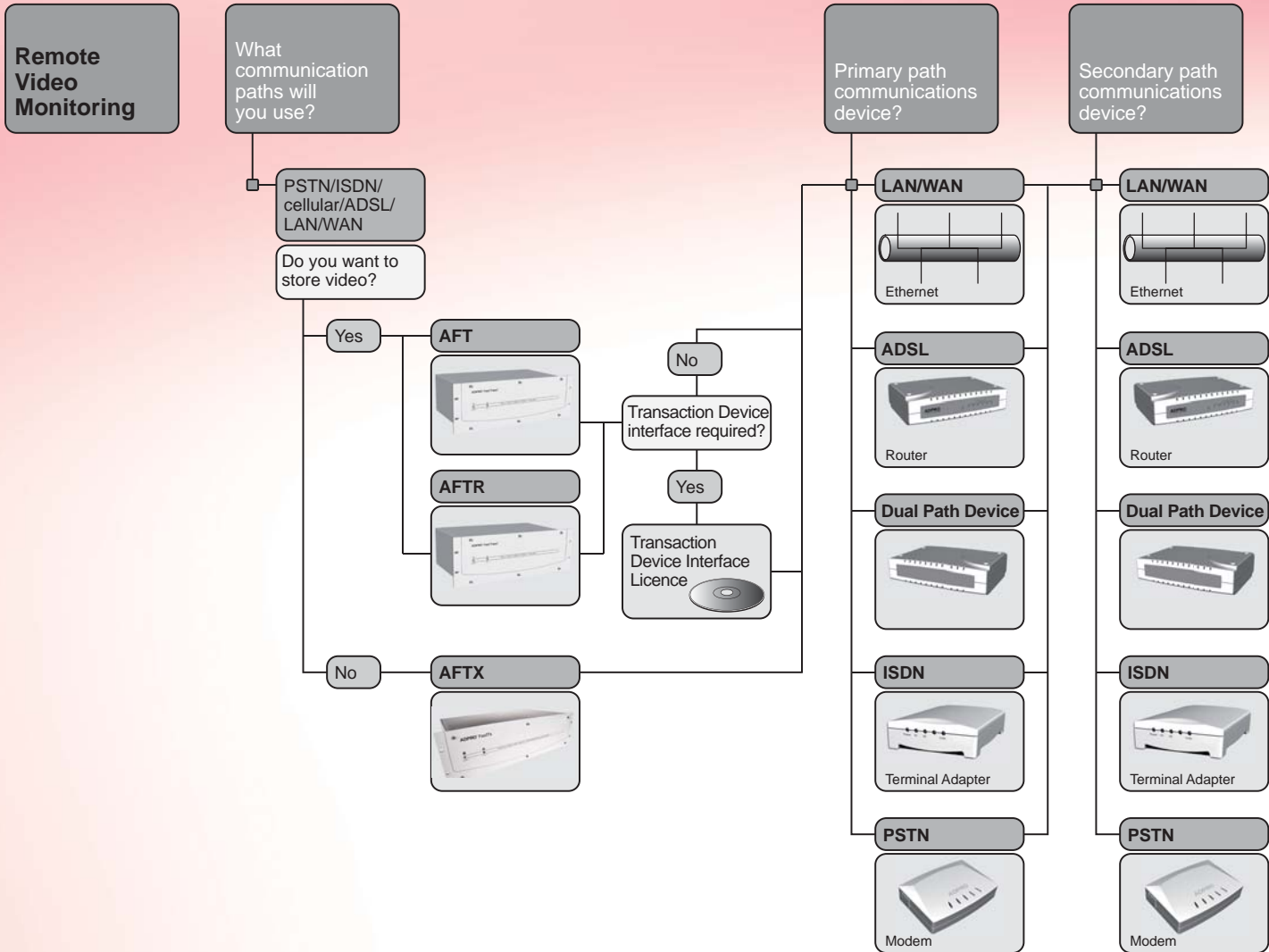
James Thornton
Head of Security
BMW Park Lane, London

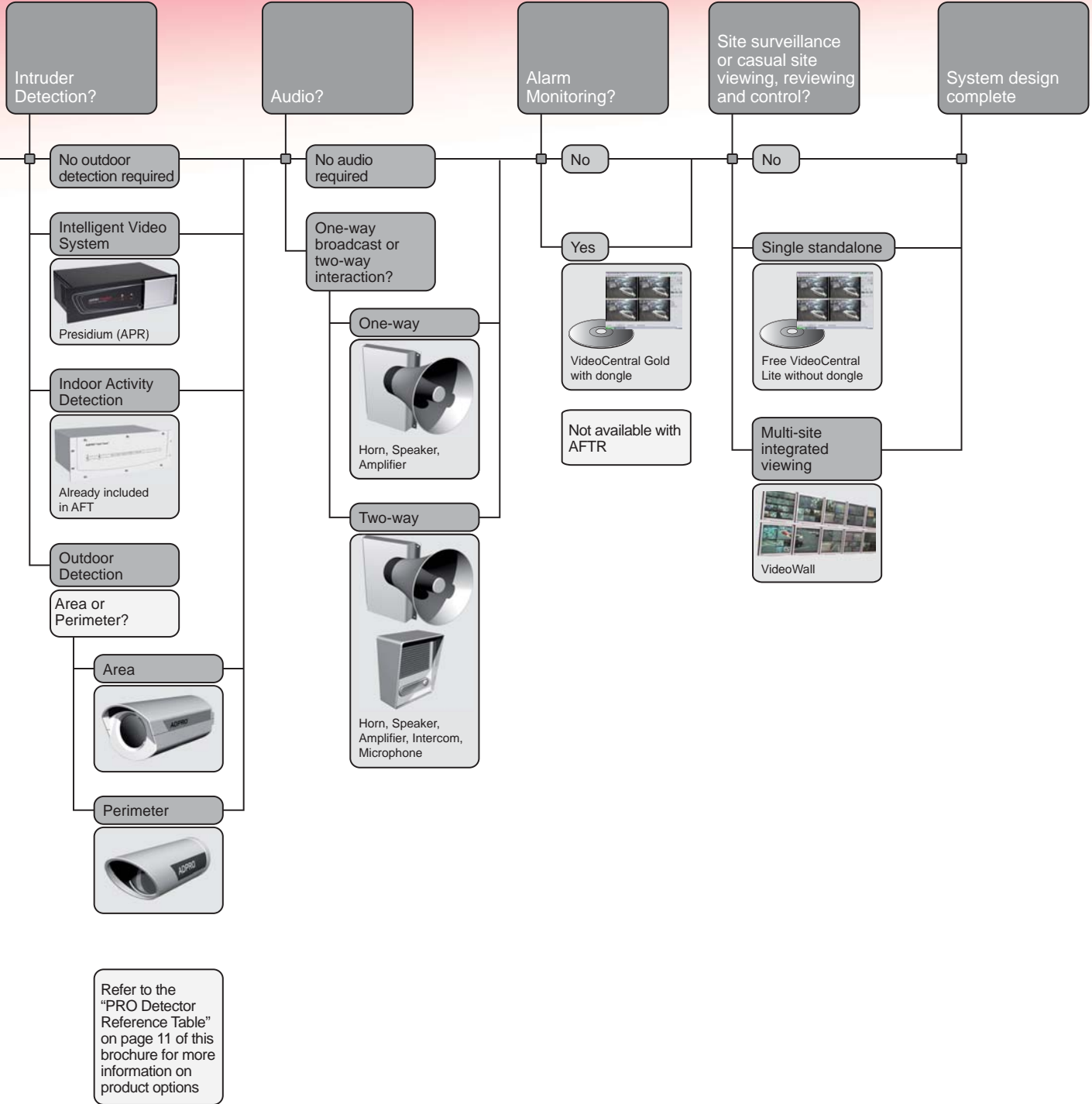
Product Selection Guide

Xtralis ADPRO produces a comprehensive range of solutions to accommodate a wide range of customer requirements.

A broad system design can be produced by answering the questions in this product selection diagram. However within each product there are often a number of product variants available dependent on the specific site requirements.

Once you have determined the broad system design, please consult your local Xtralis sales office to customise the solution for your exact needs.





Xtralis ADPRO® Video security products

	AFT	AFTX	APR
Description	Fast Digital Video Storage & Transmission	Remote Video & Transmission system	Intrusion detection
Video standard	PAL/NTSC	PAL/NTSC	PAL/NTSC
Video channels – per system	5, 10, 20	5, 10, 20	2 - 20
Compression	H.263	H.263	Not applicable
Highest resolution Hardware to software	704 x 288	704 x 288	
Alarm inputs	20, 30 + flexible configuration	20, 30 + flexible configuration	2 - 20
Alarm handling			
Pre-alarm storage	5 minutes	Not applicable	Not applicable
Post-alarm storage	Multiple Images	3 images per alarm	Not applicable
Control outputs	10, 20	10, 20	2 - 20
Tamper protection			
Video Loss Alarm	Yes	Yes	Yes
Low Contrast Alarm	Yes	Yes	Yes
Alarm inputs	Yes	Yes	Yes
Audio			
Inputs	1 (10/20 with VM22A)	1 (10/20 with VM22A)	Not applicable
Outputs	1 (10/20 with VM22A)	1 (10/20 with VM22A)	Not applicable
PTZ support	Yes (RS422/485 telemetry support over twisted pair)	Yes (RS422/485 telemetry support over twisted pair)	Not applicable
Down-the-coax PTZ support	Yes (BBV, Pelco & Baxall)	Yes (BBV, Pelco & Baxall)	Not applicable
Motion detection	Yes	Yes	Not applicable
Multi-split view	Yes	Yes	Not applicable
ATM/POS Interface	Yes	Yes	Not applicable
Live video update rate	25 ips	25 ips	Not applicable
Maximum transmitted bandwidth	2 Mbps	2 Mbps	Not applicable
Maximum recording rate	100 ips (120 ips NTSC)	Not applicable	Not applicable
Maximum storage capacity	1.28 TB (1280 GB)	Not applicable	Not applicable
Post-activity search	Yes	Not applicable	Not applicable
Communication methods			
ISDN	Yes – external	Yes – external	Not applicable
PSTN	Yes – external	Yes – external	Not applicable
TCP/IP	Yes	Yes	Yes
GSM	Yes – external	Yes – external	Not applicable
No. of simultaneous connections	4 with a maximum of 2 serial connections	4 with a maximum of 2 serial connections	Not applicable
Backup communications	Yes	Yes	Not applicable
Transmitter configuration			
Local/Remote via PC	Yes	Yes	Not applicable
Receiver options	Software	Software	Not applicable
Viewer software included	Yes	Yes	Yes
Composite video output	1	1	2 - 20
Transparent data port	Yes	Yes	No
Warranty	24 months	24 months	24 months
Power	115-230 VAC	115-230 VAC	115-230 VAC
Accessories	VM21A Relay Card, VM22A Audio Switcher, AFT Down the Coax Telemetry Module – AFT-50DTCT-1, Audio accessories, Communications devices	VM21A Relay Card, VM22A Audio Switcher, AFT Down the Coax Telemetry Module – AFT-50DTCT-1, Audio accessories, Communications devices	

PRO Detector Reference Tables

Volumetric Long-range Coverage		Long-range Curtain Steep look down	
	PRO 85	PRO 85H	PRO 250H
Recommended range	50 m (165 ft)	60 m (200 ft)	120 m (400 ft)
Nominal range	60 m x 18 m (200 ft x 60 ft)	75 m x 23 m (250 ft x 75 ft)	150 m x 3.3 m (500 ft x 11 ft)
Mounting height	2.5 to 4 m (8 to 13 ft)		2.5 to 4 m (8 to 13 ft)
Alarm output	Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA		Relay SPDT, 28 VDC, 150 mA Transistor open collector NPN, 30 VDC, 20 mA
Anti-tamper feature	Yes		Yes
Sensitivity adjustment	DIP Switch or Software		DIP Switch or Software
Internal switches	Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off		Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off
Operating temperature	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)	-40 to 60°C (-40 to 140°F)
Mounting	Wall mounting bracket included		Universal mounting bracket (optional)
Warranty	24 months		24 months

Long-range Curtain		Long-range Directional Curtain		
	PRO 100	PRO 100H	PRO 100D	PRO 100DH
Recommended range	90 m (300 ft)	120 m (400 ft)	90 m (300 ft)	120 m (400 ft)
Nominal range	120 m x 2.7 m (400 ft x 9 ft)	150 m x 3.3 m (500 ft x 11 ft)	120 m x 4.3 m (400 ft x 14 ft)	150 m x 5.3 m (500 ft x 17 ft)
Mounting height	2.5 to 4 m (8 to 13 ft)		2.5 to 4 m (8 to 13 ft)	
Alarm output	Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA		Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA	
Anti-tamper feature	Yes		Yes	
Sensitivity adjustment	DIP Switch or Software		DIP Switch or Software	
Internal switches	Sensitivity, Adaptive threshold on/off, Mounting height high/low, Anti-tamper on/off, Walk test on/off		Sensitivity, Adaptive threshold on/off, Mounting height high/low, Anti-tamper on/off, Walk test on/off, Directional detection	
Operating temperature	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)
Mounting	Wall mounting bracket included		Wall mounting bracket included	
Warranty	24 months		24 months	

Medium-range Curtain		Medium-range Directional Curtain		
	PRO 45	PRO 45H	PRO 45D	PRO 45DH
Recommended range	45 m (150 ft)	55 m (180 ft)	45 m (150 ft)	55 m (180 ft)
Nominal range	50 m x 3.3 m (165 ft x 11 ft)	60 m x 3.9 m (200 ft x 13 ft)	50 m x 3.6 m (165 ft x 12 ft)	60 m x 4.2 m (200 ft x 14 ft)
Mounting height	2.5 to 4 m (8 to 13 ft)		2.5 to 4 m (8 to 13 ft)	
Alarm output	Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA		Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA	
Anti-tamper feature	Yes		Yes	
Sensitivity adjustment	DIP Switch or Software		DIP Switch or Software	
Internal switches	Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off		Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off, Directional detection	
Operating temperature	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)
Mounting	Wall mounting bracket included		Wall mounting bracket included	
Warranty	24 months		24 months	

Volumetric Coverage		Volumetric Coverage		
	PRO 18	PRO 18H	PRO 18W	PRO 18WH
Recommended range	24 m (80 ft)	30 m (100 ft)	21 m (70 ft)	27 m (90 ft)
Nominal range	24 m x 21 m (80 ft x 70 ft)	30 m x 27 m (100 ft x 90 ft)	21 m x 24 m (70 ft x 80 ft)	27 m x 30 m (90 ft x 100 ft)
Mounting height	2.5 to 4 m (8 to 13 ft)		2.5 to 4 m (8 to 13 ft)	
Alarm output	Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA		Relay SPST, 30 VDC, 100 mA Transistor open collector NPN, 30 VDC, 50 mA	
Anti-tamper feature	Yes		Yes	
Sensitivity adjustment	DIP Switch or Software		DIP Switch or Software	
Internal switches	Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off, Pulse count		Sensitivity, Adaptive threshold on/off, Anti-tamper on/off, Walk test on/off, Pulse count	
Operating temperature	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)	-20 to 60°C (-4 to 140°F)	-40 to 60°C (-40 to 140°F)
Mounting	Wall mounting bracket included		Wall mounting bracket included	
Warranty	24 months		24 months	



Xtralis is a global organisation committed to providing a continuous flow of intelligent, sophisticated products that significantly improve the safety and security of its customers. Advanced smoke detection and security technologies position Xtralis as a leading manufacturer of innovative system solutions for global industry application.

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