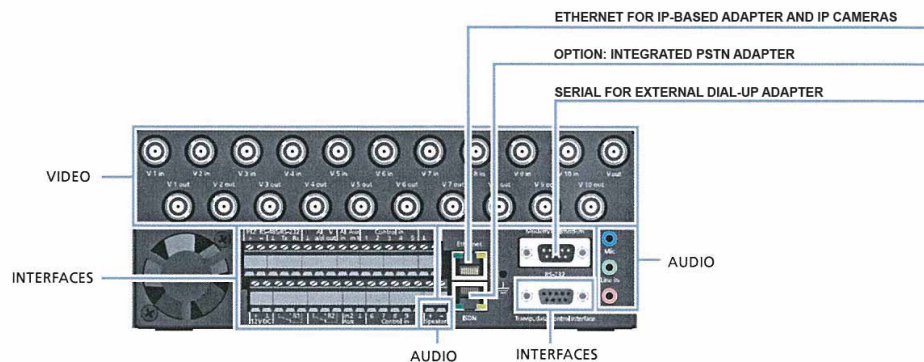## Description

The ADPRO FastScan 2 by Xtralis is a digital video transmission system for 4 or 10 analog or IP cameras.

Features

- Hybrid functionality supporting both analog and, a wide range of, IP cameras
- Individually adjustable image resolutions up to 720 x 288 pixels and megapixel resolution with IP cameras
- Integrated Multi-unicast server supporting multiple IP network connections and simultaneous dial-up connections
- Integrated Web server for up to 4 IP connections, enabling video transmission and camera control on a PC/Smartphone/Handheld using standard Web browser
- HTconnect enables unrestricted, but safe access over the Internet to Firewall protected video systems (also with dynamic IP addresses) in private nets. Additionally HTconnect permanently controls the availability of the entire system from public net over private net to video transmitters
- Camera position authentication and camera-specific alarming of video loss with analog cameras
- Integrated email client for alarming (up to two email addresses)
- Up to 5 privacy zones per analog camera for live images
- Precise recording of pre- and post-alarm images, individually adjustable to camera and event

Key Benefits

- Event-triggered connections by alarm contact, motion detection (with analog cameras), serial command, technical alarm, and routine call
- Perfected for alarm verification and conformity with monitoring center applications
- Full-duplex voice communication via bi-directional audio transmission
- Integrated interfaces for Ethernet network, PTZ control, data transmission, and system integration
- Data transmission via USB interface
- Extensive remote control functions to control lighting, barriers, alarms, doors, or any relay-controlled devices
- Compact design, suitable for desk, wall and 19" mounting

Specifications

VIDEO	
Video standard	CCIR/PAL and EIA/NTSC (analog), dependant on IP camera (digital)
Video compression	Device internal with HTcompress[1] (M-JPEG differential compression with adjustable compression factor per camera)
Picture formats	With IP camera dependant on model: standard to megapixel resolution; with analog cameras: Transmission: 720 x 288, 512 x 256, 256 x 128, 128 x 80 pixels and 16 Bit color depth Recording: 720 x 288, 512 x 256 Pixel and 16 Bit color depth
Video inputs	4 or 10 x CVBS (BNC), 1 Vpp/75 Ohm with loop through outputs (auto-termination) (analog); up to 10 IP cameras with multiple use of different types and resolutions
Video output	Camera switcher with manual, alarm and sequence control; 1 x CVBS (BNC), 1 Vpp/75 Ohm
Motion Detection[1]	Selectable per camera with adjustable detection zones for alarm transmission and storage of (pre-) alarm images (RAM)
Video signal monitoring[1]	Video signal monitoring (sync. and picture content) for all cameras

AUDIO	
General	Optional plug-in module (Audio Card) for bi-directional audio transmission
Audio compression	SPEEX Codec, 16 Bit, 80-8000 Hz
Audio inputs	1 x line in (02 Vpp, nominal 0.775 Vpp) or Mic in (electret or electrostatic microphone)
Audio output	1 x line out (02 Vpp, nominal 0.775 Vpp) and 1 speaker out (1 Watt/8 Ohm)

TRANSMISSION, RECORDING	
General	Video and audio transmission, recording of (pre-) alarm images
MultiCast, Multi-Unicast	Up to 6 IP or 5 IP and 1 dial-up connection or 4 IP and 2 dial-up connections simultaneously
Web server	Up to 4 IP connections via PC/Smartphone/PDA Web browser (additional to 5 standard connections)
Video transmission of live images	With up to 25 fps via IP (LAN/WLAN, Internet, DSL, GPRS, HSDPA, CDMA, UMTS, EDGE) and dial-up (PSTN/POTS, GSM, HSCSD)
Recording media	28 MByte RAM for pre-alarm images only (1400 images)
Trigger to initiate transmission/recording	Dry contact, built-in motion detection and serial commands
Privacy Zones[1]	Up to 5 privacy zones per camera; live images for each camera
Recording modes	Pre-alarm recording until connection (RAM)
Recording interval	Adjustable between 0-99 seconds (value "0"= as fast as possible)
Callback	Automatic callback to pre-programmed receiver stations with ADPRO FastScan 2 Control PRO

REMOTE ACCESS AND EVALUATION	
General features	Remote access to live images, pre-alarm images and remote setup/maintanance via receiver software
Reference images	Transmitter list and camera selection supported by object specific reference images
Access protection	Multiple password levels and sophisticated user management

INTERFACES	
LAN interface	10/100 MBit/s built-in network adapter, RJ45 connector, DHCP, auto detection within LAN
USB interface	2.0 for configuration of device
External dial-up adapters	PSTN/POTS-, IGSM-, HSCSD-adapters via RS-232 interface (9 pin Sub-D)
PTZ Control	Via onboard RS-232/485 (422) interface (screw/clamp)

Transparent data channel/control interface	Via onboard RS-232 interface (9 pin Sub-D)
Alarm inputs	4 or 10 alarm inputs (camera related), 1 general alarm input, 1 arm/disarm and 1 tamper input (all on screw terminals)
Control outputs	2 relays-system error and/or remote control purposes (changeover contact on screw/clamp), max. 30V DC/1 A, 60V DC/0.3 A, 125V AC/0.5 A

GENERAL	
Operating system/system design	Embedded Linux/dedicated hardware (no PC)
Control and display element	On-Off Switch, push button for manual camera selection and status LED
Setup and software update	Via local and/or remote receiver station via IP (LAN, Internet, DSL) and dial-up connections (PSTN/POTS, ISDN, GSM, HSCSD, UMTS/3G)
Power supply	External switched power supply, 100-240 V AC, 50/60 Hz, 12 V DC at max. 4 A, 42 W
Power consumption (12 V DC)	FastScan 2-4/10: 4.8 W
Ambient temperature	+41° to +131°F (+5°C to +55°C)
Housing/Enclosure	Desktop and wall mounting: 221 x 88 x 270 (WxHxD mm); 19" mounting: 1/2 19"x 2 RU x 275 mm (WxHxD)
Weight	2.9 kg
Protection class	IP 30 according to IEC 60529, DIN EN 60529
Approvals	FCC
Options	PSTN Card Audio Card, Dial-up adapters, 19" Mount Kit (2 RU), Mount Kit
Warranty	24 months

[1] Only with analog cameras

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