



X-Stream™ 101

Analytical Digital Video Server



The X-Stream™ 101 video server provides H.264 encoding, IP Ethernet transmission & video analysis for a single channel of analogue video.



By utilising the latest H.264 compression algorithm, X-Stream 101 delivers superior picture quality at reduced bandwidth across an Ethernet network. Provided with integrated I-Command® SmartDetect Essentials video analytics as standard, X-Stream 101 outputs H.264 encoded video and enhanced features such as anti-camera shake and video analytics. An optional upgrade to SmartDetect Advanced ensures i-Lids analytics compliance and a wider range of pre-defined rules to be executed on network video from X-Stream 101.

Key Features of X-Stream 101 Include:

- ▷ **H.264 low latency compression.**
 - X-Stream 101 provides best-of-breed video performance (D1 resolution @ 25/30 frames per second), resulting in highest quality video at low latency and bandwidth for CCTV applications.
- ▷ **In-built protocol translation for peripheral device control.**
 - Utilising industry standard method of upgrade (flash upload), new serial protocols can be loaded into the codec, minimising requirement for inventory & spares holding.
- ▷ **Comprehensive remote network management.**
 - X-Stream 101 features comprehensive remote diagnostics via intuitive SNMP and web browser interfaces.
- ▷ **Video loop-through option.**
 - Analogue video loop-through for direct connection to devices such as DVRs available on all channels.
- ▷ **Video analytics enhancement.**
 - Utilising embedded SmartDetect Essentials or SmartDetect Advanced (optional) analytics, rules such as object detection, line crossing and more can be set. Deployment of SmartDetect analytics enhances operator effectiveness and greatly increases the functionality of analogue cameras. For more information on I-Command SmartDetect, please visit our website at www.coe.co.uk

Product Codes:

X-Stream 101

1 Channel H.264 video server, 1 x video, 1 x data I/O, 1 x audio I/O, 2 x contact I/O, SmartDetect Essentials*

ICMD-SD-ADV

Smart Detect Advanced analytics license (upgrade)

*SmartDetect Essentials included F.O.C.



X-Stream™ 101

Technical Specifications



Video

Compression algorithm	H.264, MPEG4, MJPEG
Frame Rate	Up to 25/30 fps (PAL/NTSC) @ D1
Bit Rate	From 128kb/s to 4Mb/s
Resolution	D1 (720 x 576), 2CIF (704 x 288), CIF (352 x 288), QCIF (176 x 144)
Dual Streaming	Supported
Video Input	PAL/NTSC, analogue composite, 75 Ohm, 1V p-p
Video Loop-Through	PAL/NTSC, analogue composite, 1V p-p
On Screen Display	Time, Date, Camera Title, Etc.

Data

Data Channel	2 x Transparent or User defined Protocol Translator
Data Format	RS485/422 + RS232

Binary I/O

Input	2 x Contact
Output	2 x relay O/P

Network

Protocols	DHCP, ARP, HTTP, RTP, UDP unicast, UDP multicast, TCP/IP, IGMP, SNMP, SNTIP, RTSP, UPnP, SOCK, FTP, DDNS, mDNS, IPv6, SSL v2/v3, IEEE 802.1X, SSH
Configuration	Web browser interface
Software Upgrade	Remote Flash Programmable

Physical Interfaces

Video Inputs/Outputs	2 x BNC
Data, Audio, Binary, I/O	Screw terminal
Network Connector	10/100BaseT (RJ45)
Memory Slot	SD Card Slot & USB port
Power	DC Jack Socket

Audio

Encoding	G711
Audio Input	1 x Channel (Line Level: 1V p-p)
Audio Output	1 x Channel

Power Supply

Power Consumption	12VDC 240mA max
PSU (Included)	Input: 100-240VAC 50-60Hz 0.5Amps Max Output: 12VDC @ 1.5Amps
Power Over Ethernet	IEEE 802.3af Class 0, Type B

Mechanical Specifications

Housing	103mm x 38mm x 141mm
Weight	0.385Kg

Environmental Resilience

Operating Temperature	0° to +50°C
Humidity	Up to 85% RH (Non-Condensing)

I-Command SmartDetect Essentials Features

Performance	Advanced tracking algorithm, low false alarm rate
Ease of Use	Intuitive web browser interface
Detection Zones	Multi-segment polygons & lines
On-Screen Display	Real time display of data/events

I-Command SmartDetect Advanced Features

Detection Behaviour	Direction, Stopping, Loitering, Entering/Exiting, Appear & Disappear filters
3D Behaviour	Size & speed filters (perspective corrected)
Statistics	Counting functions & other statistics
Meta Data	Binary XML format

Regulatory Approvals

Standard (Alarms/CCTV Equipment)

EN 55022:2006, Class A, EN 50130-4:1995+A1:1998+A2:2003, EN 61000-3-2:2006, EN 61000-3-3/A2:2005

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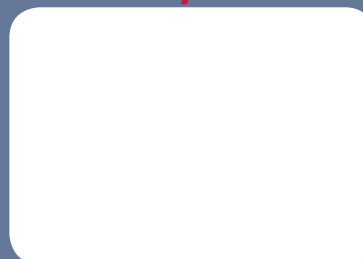
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Distributed by:



Issue: 1
Date: 20/01/10



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