ANT-2501, 1 x HD-SDI Channel Input H.264 HD 1080P60 Video Encoder
Product Code: ANT-2501

Key Features

- 1920 x 1080 P60 Max Resolution
- H.264 Video Encoder
- 1 x HD-SDI Inputs & Output
- HTTP, RTSP, RTMP and MPEG-TS over UDP Streaming Supported

Product Overview

ANT-2051, 1 x HD-SDI Channel Input H.264 HD 1080P60 Video Encoder, capable of 1 x (1920 x 1080) at 60 frames per sec encode with quad streaming using an IP LAN ethernet connection.
The input is 1 x HD-SDI. Input and output are provided to allow for signal bypassing or looping.
Multiple streaming formats are supported such as HTTP, RTSP, RTMP and MPEG-TS over UDP.
The encoder is powered via 12V but has an internal AC to 12v DC converter.A single IEC kettle lead style socket with power lead supplied.
AAC G711 and MP3 audio is supported with 1 channel embedded audio in HD-SDI, 1 channel 3.5mm independent audio.
There is no RS232/485/422 2 way serial data communication, motion detection , sensor and alarm I/O, please see the ANT-35000A/H for this feature.
Rack mountable 1U style case with 4 individual encoders housed within 1 case.

For a 4 x HD-SDI input variant of this product see ANT-2504.

Integrated with Hudl Sportscode software

A few of the applications are:

- Encode a PC screen and send to a VMS for monitoring, recording and litigation purposes
- Encode video from a piece of medical equipment and send to remote consultant to oversee the procedure
- Encode multiple Set Top Boxes for viewing remotely elsewhere

This product is not limited to the markets and applications described.
Please download or full application catalogue here.

Technical Specification

		ANT-2501
System	Mode	Encoder
System	Standards	ONVIF Discovery, RTSP, RTMP,HTTP, MPEG-TS
System	Latency	>150mS (system dependant)
Video	Compression	H.264
Video	Profile	Base, Main or High
Video	Frame Rate	1-60 fps
Video	Bit Rate	16-12 mbps
Video	Mode	GOP
Video	Bit Rate Control	CBR, VBR
Video	Min Resolution	320 x 180
Video	Max Resolution	1920 x 1080
Video	Number of Streams	Primary 4 x H.264 / Secondary 4 x H.264
Video	Inputs	4 x HD-SDI
Video	Input Combinations	All 4 Input
Video	Outputs	4 x HD-SDI
Video	Output Combinations	All 4 Output
Video	On Screen Display	English
Audio	Mode	Simplex Stereo
Audio	Compression	G.711 + AAC + MP3
Audio	Sample Rate	G711 = 8Khz , AAC= 32/44.1kHz MP3 = 32/44.1kHz
Audio	Bit Rate	G711=64kbps, AAC= 24-256kb/s MP3 = 24-256kb/s
Audio	Streaming	1 Way Stereo
Audio	Inputs	Analogue Stereo Jack (1vpp) or 1 Channel HD-SDI Embedded Audio
Audio	Outputs	Embedded Audio
Network	Interface	10-100 Ethernet RJ45
Network	Protocols	IPv4, TCP, UDP, IGMP(Multicast), DHCP,HTTP, RTP,RTSP, DNS
Network	Security	Password Protection
Network	Configuration	SDK, WEB
Data	Type	N/A
Data	Interface	N/A
Data	Protocol	N/A
Data	Alarm	N/A
Data	Sensor	N/A
Event	Sources	N/A
Event	Actions	N/A
Power	Supply	12v Internal
Power	Adapter input volts	AC 110-240v
Power	Adapter Output Voltage	240v Internal
Power	Consumption	39w
Recording	Edge Storage	N/A
Temperature	Operating Range	0 + 50C
Physical	Dimensions	490 x 290 x 44 mm
Physical	Weight	3.3kg
Physical	Housing	Black Aluminum
General	Certifications	CE , FCC, RoHS
General	Software	N/A
General	Warranty	12 Months
General	Remote	N/A
General	Reset	Web or external
Control & Set Up	Set Up	Web Interface API Document
	Control	API
	Upgrade	Firmware Upgrade
In the Box	Contents	Encoder , Internal Power Supply & Lead, 4 x HDMI, & Rack Mount
	Power Cable/adapter	1 of either UK/US/EU/China/Aus