

ANT-48100 , H264 / H265 Dual Ethernet IP to IP Streaming Transcoder

Product Code: ANT-48100



Key Features

- 1920 x 1080 P60 Max Resolution
- H.264 /H265 Video Transcoder
- 2 x Ethernet Inputs (2 independent NIC's)
- HTTP, RTSP, RTMP ,MPEG-TS , RTP and SRT Transcoding
- IP to IP Translation (Airgap between networks)

Product Overview

The ANT-48100 TRANSCODER is a highly flexible IP to IP transcoder.

Featuring up to 4 channels of decoding on one Ethernet port (NIC) and 1 channel of re-encoding (Transcoding) on a second Ethernet Port (NIC). This transcoder is intended for IP to IP transcoding without offering any local video inputs or outputs.

The Transcoder engine can take up to 4 decoded streams and re encode then as a 1x1 or 2x2 image with a single stream (no secondary stream is available) . The decoder block can decode 1-4 streams then combine them as a quad image or in the case of one decoded stream a single image. These quad and single images can also be scaled to 1080P 720P and 576P resolutions. Additionally the decoder engine can decode URLs or pre recorded video files. SRT decoding is supported.

Once decoded and scaled the images pass to the Encoder engine. The encoder can then re-encode (transcode) these decoded streams as HTTP RTSP RTP MPEG-TS , RTMP and SRT streams on to a completely independent LAN Network Interface. This allows different IP addresses and Subnets to be used for incoming and outgoing streams.

As the Transcoder features two independent Network interfaces it acts as an effective Video stream air gap between two networks.

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Technical Specification

Main	Sub	ANT-48100
System	Mode	Transcoder
System	Standards	RTSP, RTP, RTMP, MPEG-TS, HTTP
System	Latency	>150mS (system dependant)
Video	Compression	H.264 /H265
Video	Profile	Baseline & High
Video	Frame Rate	1-60 fps
Video	Bit Rate	32-16 mbps
Video	Mode	GOP
Video	Bit Rate Control	CBR, VBR
Video	Min Resolution	576P, 720P
Video	Max Resolution	1920 x 1200
Video	Number of Streams	4 streams decoded , one stream encoded (1x1 or 2x2)
Video	Inputs	None IP to IP only
Video	Input Combinations	N/A
Video	Outputs	None IP to IP only
Video	Output Combinations	N/A
Video	On Screen Display	Multi-Lingual
Audio	Mode	Full Duplex Stereo
Audio	Compression	G.711 + AAC
Audio	Sample Rate	G711 = 8Khz , AAC= 32/44.1/48kHz
Audio	Bit Rate	G711=64kbps, AAC= 64/128kb/s
Audio	Streaming	2 Way Stereo
Audio	Inputs	Analogue Stereo Jack (1vpp) or Embedded Audio
Audio	Outputs	Analogue Stereo Jack (1vpp) or 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	None
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 DC
Power	Adapter input volts	AC 110-240v
Power	Adapter Output Voltage	12v DC
Power	Consumption	9.6w
Recording	Edge Storage	USB
Temperature	Operating Range	-10 + 50C
Physical	Dimensions	133 x 125 x 32mm
Physical	Weight	484g
Physical	Housing	Black Aluminum
General	Certifications	CE , FCC, RoHS
General	Software	IP Finder + VMS
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 , 12v Power Supply & Lead & Fixing Kit
	Power Cable/adapter	1 of either UK/US/EU/China/Aus