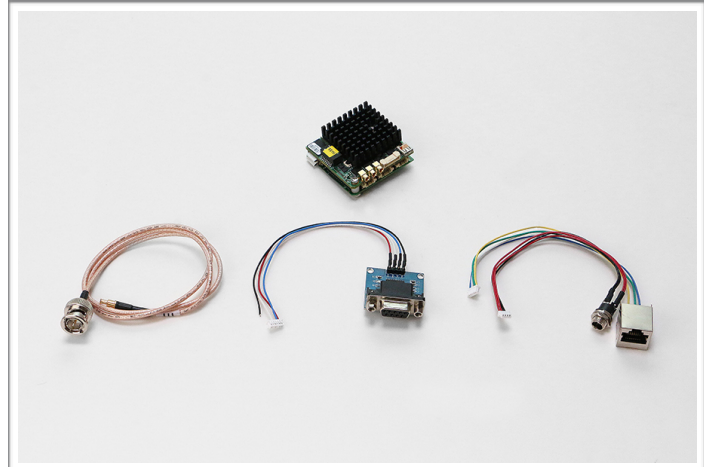
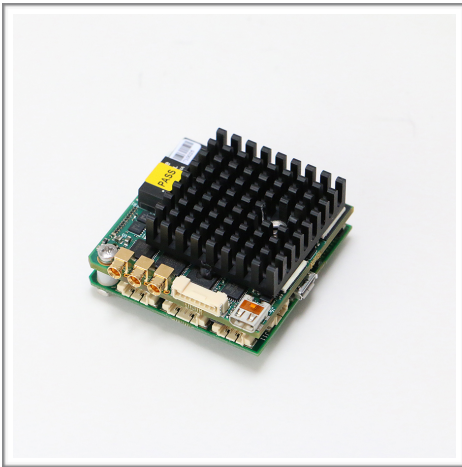


ANT-1772 Micro UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder
Product Code: ANT-1772



Key Features

- * 2 x Composite Streams or 1 x 1080p30 stream + 1 x Composite or 1 x 1080i50or60 stream + 1 x Composite
- * H.264 Micro Sized Video Encoder or Decoder
- * Low Latency <100ms With
- * Unicast, Multicast Broadcast, UDP, RTP and RTSP Streams Supported

Product Overview

ANT-1772 Micro UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder, capable of 2 x Composite Streams or 1 x 1080p30 stream + 1 x Composite or 1 x 1080i50or60 stream + 1 x Composite using an IP LAN ethernet connection.

Supporting single channel HD-SDI and dual composite video inputs the ANT-1772 can stream in both RTSP and MPEG TS formats over an Ethernet connection to the Drones / unmanned vehicle Radio link. Using a low latency player/ decoder video latency of under 100mS is achieved in this small low weight module. The ANT-1772 can be configured to be an Encoder or a Decoder allowing for hardware to hardware low latency links. The UAV Micro also supports video plus audio streaming and multi channel Video support.

The inputs can vary in the combination of: either 2 x Composite Streams or 1 x 1080p30 stream + 1 x Composite or 1 x 1080i50or60 stream + 1 x Composite . The outputs are capable of : 1 x D1 or 1 x 1080P30 or 1 x 1080P30 + 1 x SD .

There is edge storage via SD Card / NAND Flash 2GB + USB OTG

Multiple streaming formats are supported such as Unicast, Multicast Broadcast, UDP, RTP and RTSP.

The ANT-1772 is powered by 5-30v 3.3v DC and power consumption of 3w typical.
44.1 and 48KHz audio is supported with embedded audio HDMI supported.

RS232 serial 2 way control with alarm and sensor GPIO

Size: 45 x 45 x 10mm

Weight: 37g

Operating temperature range is - 40c to +85 c.

A few of the applications are:

- ✓ Encoding video in UAV / Robotic
- ✓ Unmanned vehicles / submarine

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

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Technical Specification

Main	Sub	ANT-1772
System	Mode	Encoder or Decoder
System	Standards	RTSP, MPEG-TS
System	Latency	<150mS (system dependant)
Video	Compression	H.264
Video	Profile	Baseline
Video	Frame Rate	1-60fps
Video	Bit Rate	100kbs - 10mbps
Video	Mode	GOP
Video	Bit Rate Control	CBR, VBR
Video	Min Resolution	720 x 480
Video	Max Resolution	1920 x 1080P30
Video	Number of Streams	4 x Primary H.264
Video	Inputs	1 x HD-DSI & 2 x Composite
Video	Input Combinations	1 x 1080p30+ 1 x D1 / 1 x 1080i50or60 + 1 x D1 / 2 x D1
Video	Outputs	1 x HDMI , 1 x HD-SDI , 1 x Composite
Video	Output Combinations	1 x D1 / 1 x 1080P30 / 1 x 1080P30 + 1 xSD
Video	On Screen Display	English
Audio	Mode	Simplex Stereo
Audio	Compression	
Audio	Sample Rate	
Audio	Bit Rate	
Audio	Streaming	
Audio	Inputs	Microphone
Audio	Outputs	Speaker
Network	Interface	10-100 Ethernet RJ45
Network	Protocols	IPv4, TCP, UDP, IGMP(Multicast),HTTP,RTSP,DNS
Network	Security	N/A
Network	Configuration	SDK, WEB
Data	Type	Serial 2 Way
Data	Interface	RS232,
Data	Protocol	Clear
Data	Alarm	GPIO
Data	Sensor	GPIO
Event	Sources	N/A
Event	Actions	N/A
Power	Supply	5-30v DC Option (3.3v)
Power	Adapter input volts	N/A
Power	Adapter Output Voltage	N/A
Power	Consumption	3w
Recording	Edge Storage	SD Card / NAND Flash 2GB + USB OTG
Temperature	Operating Range	- 40c to +85 c
Physical	Dimensions	45 x 45 x 10mm
Physical	Weight	37g
Physical	Housing	PCB Only
General	Certifications	RoHS
General	Software	Neptune Player & IP Finder
General	Warranty	12 Months
General	Remote	N/A
General	Reset	Web or IP Finder
Control & Set Up	Set Up	Web Interface API Document
	Control	API
	Upgrade	Firmware Upgrade
In the Box	Contents	PCB & Optional Leads
	Power Cable/adapter	N/A