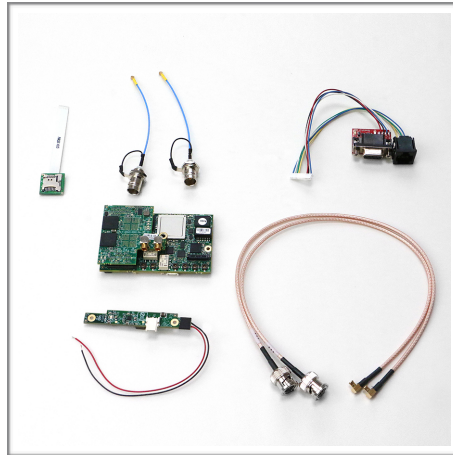


ANT-1771 Mini UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder
Product Code: ANT-1771



Key Features

- 4 x Composite Streams or 1 x 1080p30 + 2 x D1 or 2 x 1080p15 or 2 x 720p30 or 2 x D1
- H.264 Micro Sized Video Encoder or Decoder
- Low Latency <100ms With
- Unicast, Multicast Broadcast, UDP, RTP and RTSP Streams Supported

Product Overview

ANT-1771 Mini UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder, capable of 4 x Composite Streams or 1 x 1080p30 + 2 x D1 or 2 x 1080p15 or 2 x 720p30 or 2 x D1 using an IP LAN ethernet connection.

Supporting dual channel HD-SDI and quad composite video inputs the ANT-1771 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-1771 can be configured to be an Encoder or a Decoder allowing for hardware to hardware low latency links. The UAV Mini also supports video plus audio streaming and multi channel Video support.

The input connections are 4 x Composite and 2 x HD-SDI and can vary in the combination of either 4 x Composite Streams or 1 x 1080p30 + 2 x D1 or 2 x 1080p15 or 2 x 720p30 or 2 x D1

The outputs connections are 4 x Composite and 2 x HD-SDI are capable of : 1x D1 / 2 x 720p60 / 2 x 1080p30 / 1 x 1080p60.

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-1771 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: 80 x 50 x 23 mm

Weight: 65g

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-1771
System	Mode	Encoder or Decoder
System	Standards	RTSP, MPEG-TS
System	Latency	<150mS (system dependant)
Video	Compression	H.264
Video	Profile	Baseline & High
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	2 x HD-DSI & 4 x Composite
Video	Input Combinations	1 x 1080p30 + 2 x D1 / 2 x 1080p15 / 2 x 720p30 / 2 x D1
Video	Outputs	2 x HD-SDI & 4 x Composite
Video	Output Combinations	2x D1 / 2 x 720p60 / 2 x 1080p30 / 1 x 1080p60
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	3.3v (5-30v DC Option)
Power	Adapter input volts	N/A
Power	Adapter Output Voltage	N/A
Power	Consumption	5.4w
Recording	Edge Storage	SD Card / NAND Flash 2GB
Temperature	Operating Range	- 40c to +85 c
Physical	Dimensions	80 x 50 x 23 mm
Physical	Weight	65g
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