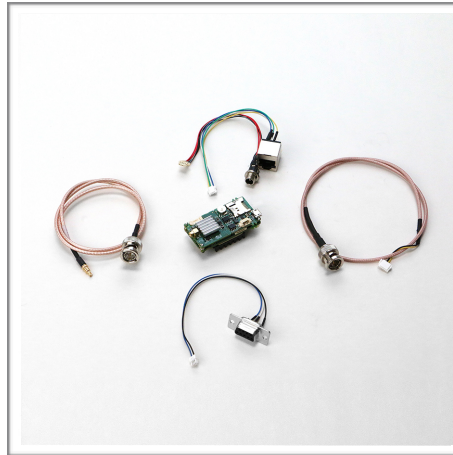
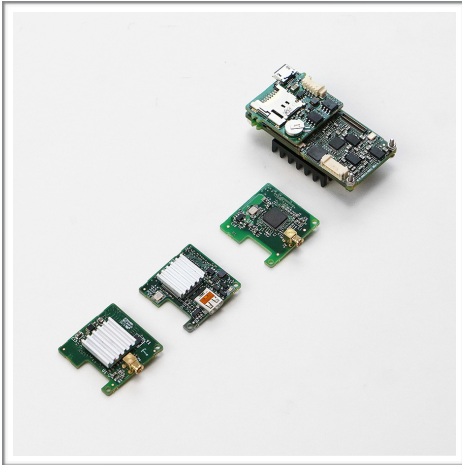


**ANT-1773 Nano UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder**  
**Product Code: ANT-1773**



**Key Features**

- Inputs 1 x HD-DSI or 1 x HDMI + 1 x Composite (available in 1 x 1080i50/60 + 1 x D1 or 1 x 1080p30+ 1 x D1)
- H.264 Nano Sized Video Encoder or Decoder
- Low Latency <100ms With
- Unicast, Multicast Broadcast, UDP, RTP and RTSP Streams Supported

**Product Overview**

ANT-1773 Nano UAV, HD-SDI & Composite, Low Latency H.264 HD Video Encoder or Decoder, capable of 1 x HD-DSI or 1 x HDMI + 1 x Composite (available in 1 x 1080i50/60 + 1 x D1 or 1 x 1080p30+ 1 x D1) using an IP LAN ethernet connection. This module could possibly be the worlds smallest video encoder of its type and specification.

Supporting either HD-SDI or HDMI video inputs with 1 x composite the ANT-1773 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-1773 can be configured to be an Encoder or a Decoder allowing for hardware to hardware low latency links. The UAV Nano also supports video plus audio streaming and multi channel Video support.

Inputs connections are: 1 x HD-DSI or 1 x HDMI + 1 x Composite (available in 1 x 1080i50/60 + 1 x D1 or 1 x 1080p30+ 1 x D1) The output is 1 x Composite (D1).

There is edge storage via SD Card / NAND Flash 1GB + USB OTG.

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

The ANT-1773 is powered by 4.5-16v DC and power consumption of 3.48w typical.

44.1 and 48KHz audio is supported with embedded audio HDMI supported.

RS232 serial 2 way control with alarm and sensor GPIO

Size: 26 x 51 x 15 mm.

Weight: 22g.

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.

Main	Sub	ANT-1773
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	1 x HD-DSI or 1 x HDMI + 1 x Composite
Video	Input Combinations	1 x 1080i50/60 + 1 x D1 / 1 x 1080p30+ 1 x D1
Video	Outputs	1 x Composite
Video	Output Combinations	1 x D1
Video	On Screen Display	English
Audio	Mode	Simplex Stereo
Audio	Compression	
Audio	Sample Rate	
Audio	Bit Rate	
Audio	Streaming	
Audio	Inputs	Microphone
Audio	Outputs	
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	4.5-16v DC
Power	Adapter input volts	N/A
Power	Adapter Output Voltage	N/A
Power	Consumption	3.48w
Recording	Edge Storage	SD Card / NAND Flash 1GB + USB OTG
Temperature	Operating Range	- 40c to +85 c
Physical	Dimensions	26 x 51 x 15 mm
Physical	Weight	22g
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