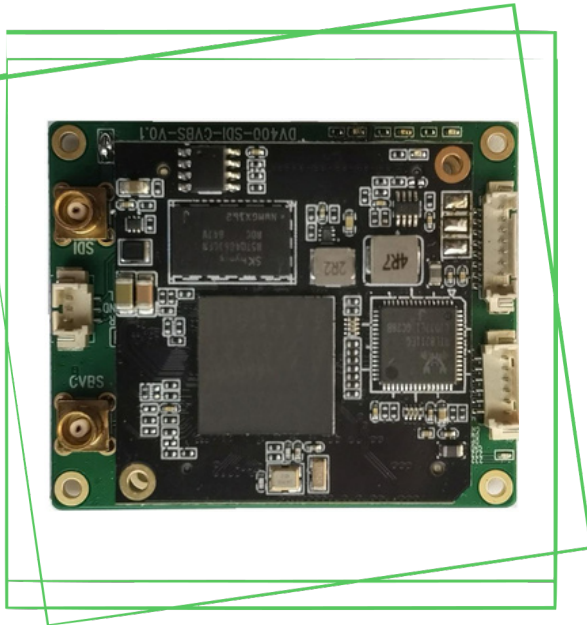




Key Features

- High-efficiency hardware encoding for low-latency streaming (100ms)
- Full HD resolution support up to 1920x1080p60, customizable options available
- Compatible with multiple displays on a single computer
- Encoding profiles: Baseline, Main, and High
- Supports SDI input (3G, HD, SD), audio gain, and watermarking
- Extensive protocol support (RTSP, RTP, UDP, RTMP, HTTP, SRT, ONVIF, DHCP)
- Compatible with streaming servers (Wowza, FMS, RED5) for live video push
- Adjustable video bitrate (CBR/VBR, 16Kbps - 30Mbps) and output resolution
- Dual TS stream with H.264/H.265 encoding for network flexibility
- TCP, UDP, 1000M (RJ45) connectivity
- Web access for remote management, password changes, and one-click recovery
- Works with PC, Linux, Android SDK, and mobile apps; low power consumption



Product Description

The ANT-1770S Video Encoder is a professional audio and video encoding device designed to process SDI or CVBS signals.

It supports outputting two streams in either H.265 or H.264 formats, with audio encoding in MP3 or AAC. The encoder offers adjustable bit rates and customizable picture quality, making it ideal for various streaming needs.

Compatible with multiple protocols, including HTTP, RTSP, RTMP, UDP, RTP, and SL, this versatile encoder ensures smooth integration across diverse broadcast and streaming environments.



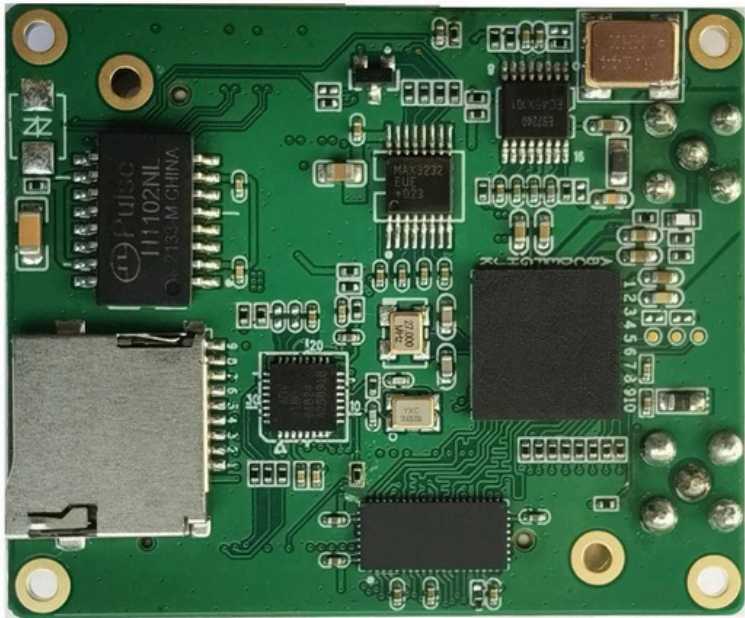
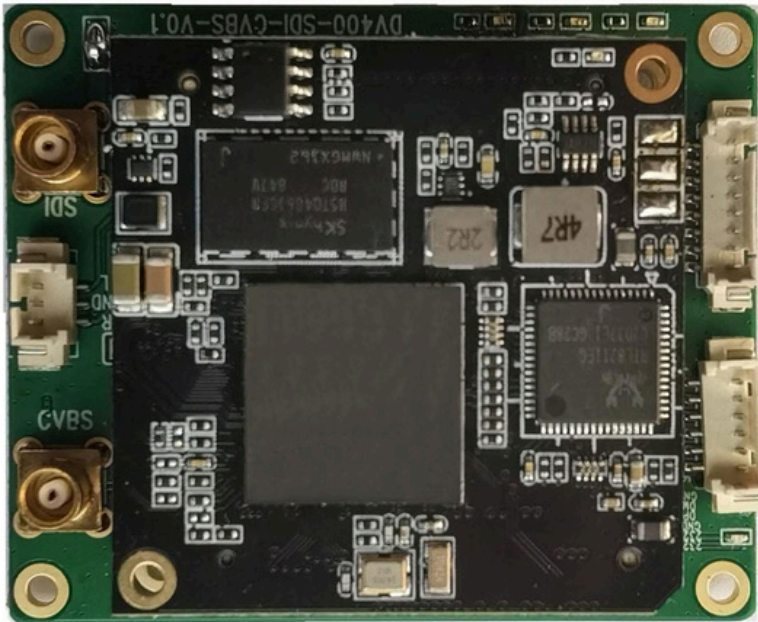
Product model	H.265 Micro Encoder Board	
Input	1 SDI input or 1 CVBS	
Output	1 channel IP signal output,1 channel audio output	
Video	Input resolution	1920x1080p/1920x720p/720*576i/640*480i
	Coding Level	1, 2, 3, 4 and 5 (the higher the level ,the larger of the code flow fluctuation ratio)
	Coding standard	H.265/ H.264
	Coding level	H.265 MAIN PROFILE H.264 BASELINE PROFILE H.264 MAIN PROFILE H.264 HIGH PROFILE
	Encoded size	640*360~1920*1080(Can customize)
	Video bit rate	Ratecontrol:CBR/VBR 16KBIT/S~12MBIT/S
	Video frame rate	30/ 60 fps
	OSD	Text, Image
Audio	Input selection	1 channel embedded HDMI, 1 channel 3.5 independent audio (audio gain supported)
	Audio coding	AAC/MP3
	Audio bit rate	24Kb/s~256Kb/s
	Sampling rate	48000
IP output	1 RJ45 1000M adaptive Ethernet port, TS streams,ONVIF protocl	
System	Network protocol	HTTP, RTSP, RTMP,RTMPS, ONVIF, HLS, UDP ,multicast, unicast
	Configuration management	Supports IE configuration and remote upgrade
Interf ace	RS485/RS232/IO etc	
	Power supply	12V~2A
	power consumption	3W
	Size	55mm * 45mm * 9mm(L*W*H)
	Operating temperature	-40°C+ 60°C
	Working humidity	<90%, Non-condensing
	Weight	0.1KG

ANT-1770S

PRODUCT TECHNICAL SPECIFICATION

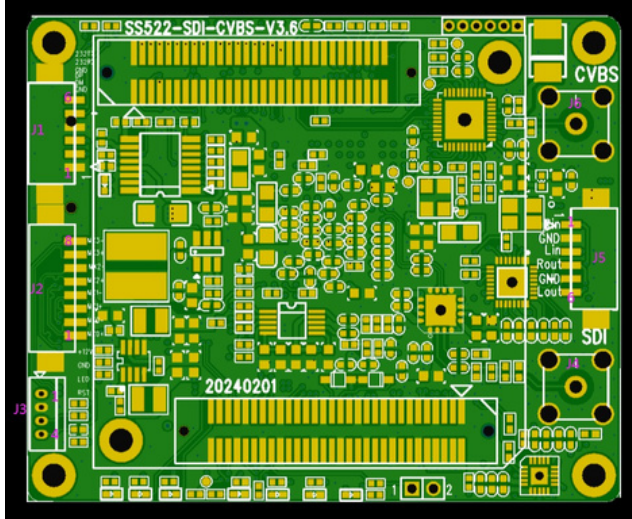


ANTRICA
encoders | decoders





pin definition



J2 network interface

1	MTX D0 +
2	MTX D0 -
3	MTX D1 +
4	MTX D1 -
5	MTX D2 +
6	MTX D2 -
7	MTX D3 +
8	MTX D3 -

J5			J1		
1	Rin		1	GND	
2	GND		2	DM	
3	Lin		3	DP	
4	Rout		4	GND	
5	GND		5	232-RX	
6	Lout		6	232-TX	
J4			J3		
1	SDI in		1	12V	
2			2	GND	
J6			3	IO	
1	CVBS in		4	RST	
2					