

TBS2603au HDMI Video Encoder & Decoder datasheet



- 1.HDMI IN: HDMI in port; HDMI OUT: decode and HDMI out.
- 2.A-IN: extra audio in (Line in); A-OUT: audio out, same audio as HDMI out.
- 3.RESET: reset to the default. Press and hold the reset button around 7 seconds and then release.



- 1.USB: USB port, USB 2.0.
- 2.DC 12V: power port, DC 12V.
- 3.ETH: 1000Mbps-Ethernet port (R.J45).

Specification

Model Number	TBS2603au
Video Input	1x HDMI 1.4, NDI® HX stream, 1x USB2.0 from UVC Camera
Audio Input	HDMI-embedded, Line-in (Jack 3.5mm)
OLED display	IP, input video resolution, CPU Utilization, Core Temperature
Encode	
Video Input Resolution	1920x1080P_50/60HZ;1920x1080I_50/60HZ; 1280x720P 50/60HZ; 720x576;640x480, and etc.
Video Output Resolution	auto;1920x1080P@60fps;1920x1080P@50fps;1680x1050;1280x720;1024x576;850x480; 720x576;720x480;640x480;480x360;360x240;customized and etc.
Video Encode	H.264 base line; H.264 Main; H.264 High; H.265 Main (HEVC)
Video Bit Rate	0.5Mbps-20Mbps
Bit Rate Control	CBR, VBR, AVBR, FIXQP
Protocols	NDI® HX HTTP, HLS(m3u8), RTSP, RTP/UDP Unicast/Multicast, RTMP/RTMPS
Audio Encode	AAC, MP3, MPEG2, PCMA
Audio Sampling rate	16K, 32K, 44.1K, 48K
Audio Sampling precision	16 bit
Audio Bit Rate	32Kb/s ~ 256Kb/s
Network Stream IN	
Video	H264, H265
Audio	MPEG2, MP3, AAC
Protocol	NDI® HX stream, HTTP, RTSP, RTP/UDP, HLS, RTMP(pull)
Decode	
Video codec	H.265 Main Profile, Level 4.1; H.264 Baseline/Main/High Profile Level 4.2
Audio codec	Mpeg2, MP3, AAC
Source	HDMI in decode; Network stream decode; NDI HX stream decode
Record	
USB record	To USB flash disk or USB hard disk; USB hard disk type: FAT32, EXT4
Format	*.MP4; *.TS; *.FLV; *.MKV; *.MOV
System	
Ethernet / RJ45	1000Mbps Ethernet port
Supported System	Windows XP/VISTA/SERVER/WIN7/WIN10; Linux; MAC OS
Control	Web User Interface
General Spec.	
Dimension	100*60*31.5mm
Power Consumption	Less than 6W