

DANTE AV ULTRA ENCODER IPX-TUC1(HDMI+SDI)

DANTE AV ULTRA DECODER IPX-RUC1(HDMI+SDI)



Description:

The Dante AV Ultra Encoder (VPX-TUC1) and Decoder (VPX-RUC1) enables transmission of HDMI, SDI over an Ethernet / IP network. Dante AV Ultra supports high resolution video up to 4Kp60 4:4:4 over a single 1 Gigabit Ethernet cable, with visually lossless quality and sub-frame latency. Compatible with Audinate Dante Controller and Dante Domain Manager software on macOS and Windows.

Main Features:

- (1) Equipped with 1G Ethernet electrical port and 1G Ethernet optical port.
- (2) Support HDMI 2.0, up to 4K@60Hz 4:4:4.
- (3) Support 12G SDI, up to 4K@60Hz
- (4) Support 8-channel digital audio, up to 192KHz, 32-bit sampling.
- (5) Support 2-channel analog audio, up to 192KHz, 24-bit sampling.
- (6) Support HDR10.
- (7) Support audio and video, RS232, infrared and USB signals are individually or collectively routed.
- (8) Support analog audio input and output.
- (9) Support bidirectional infrared transmission between TX and RX.
- (10) Support KVM.
- (11) Support POE+ power supply.
- (12) Support 2-inch touch screen display of device information.
- (13) Fully compatible with Dante audio and video protocols.
- (14) Support webpage configuration.
- (15) Support HDMI 2.0 input, Local HDMI loop out, up to 4K@60Hz 4:4:4 (IPX-TUC1)
- (16) Support 12G-SDI input, Local SDI, HDMI loop out, up to 4K@60Hz (IPX-TUC1)
- (17) Support 8-channel embedded audio input (IPX-TUC1)
- (18) Support HDMI 2.0 output, up to 4K@60Hz 4:4:4 (IPX-RUC1)
- (19) Support 12G-SDI output, up to 4K@60Hz (IPX-RUC1)

Specifications:

Item Name	Dante AV Ultra Encoder(HDMI+SDI)	Dante AV Ultra Decoder(HDMI+SDI)
Model No.	IPX-TUC1	IPX-RUC1
Display	2Inch Touch Screen	2Inch Touch Screen
Video Input	1*HDMI Input, 1*12G-SDI Input	/
Video Output	1*HDMI Output(Local HDMI loop out), 1*12G-SDI Output(Local SDI, HDMI loop out)	1*HDMI Output 1*12G-SDI Output
Phoenix Terminal Blocks	1*GND, 1VCC 3.3V, 1*IR:Infrared Emission, 1*RS232 transmission, (RS-485 not supported) 2CH Analog Audio Input, 2CH Audio Output	
USB Port	2*USB Type-A (for KVM, not for storage) Upper USB port supports USB OTG connection to host computer	
SFP Port	1G optical port (optional module required)	
Network Port	1* RJ45 (PoE+ supported)	
Power Supply	DC12V or POE	
Dimensions	212 x 160 x 44 mm	
Net Weight	1.00 KG	
Packing Size	350*215*78mm	
AUDIO FORMAT		
Data format	LPCM	
Sampling frequency (kHz)	32,48,96,192, 44.1,88.2,176.4	
Number of channels	2CH Analog Audio, 8CH Digital Audio	
Video Format		
Color format	RGB 4:4:4 / YCbCr 4:4:4 / 4:2:2 / 4:2:0	
Bit-depth	8,10,12-bit	
frame rate (Hz)	23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60	
Supported Resolution (width x Height)	640x480,720x576,800x600,1024x768,1152x768, 1280x720,1280x800,1280x1024,1360x768,1366x768, 1440x900,1400x1050,1600x900,1600x1200,1680x1050, 1920x1080,1920x1200,2560x1600,3840x2160	