

USB Type-C and HDMI Transmitter Switcher

Universal transmitter switcher is part of the AV over IP ecosystem with SDVoE technology that provides the same functionality as the DCX product range providing seamless integration of diverse multimedia signals over distances of up to 100 meters..



Details

Universal transmitter switcher is part of the AV over IP ecosystem with SDVoE technology that provides the same functionality as the DCX product range providing seamless integration of diverse multimedia signals over distances of up to 100 meters.

- DCX-TPX combines USB-C and SDVoE technologies
- HDMI 2.0 4K@60 4:4:4 matrix switching over 10G network
- Independent, full bandwidth USB 2.0 matrix switching layer
- Taurus UCX, DCX and HDMI-TPX devices can be combined

Features

- USB-C charging up to 100W
- Allows for the transmission of USB-C, HDMI 2.0, embedded audio, Ethernet, RS-232 to TPX receiver devices
- Video, Audio and Charging Power over a single USB-C connection
- Integrated SDVoE Control Server
- CEC at the HDMI outputs
- Supporting Lightware Advanced Room Automation (LARA)
- Fitting various IT security standards (e.g. 802.1x compliance)
- SSH, SSL, and HTTPS for IT security
- Supports uncompressed HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps, 600 MHz pixel clock)
- Audio de-embedding

Specifications

General	Compliance		CE; UKCA
	Electrical safety		IEC 61000-3-3:2013+AMD1:2017
	EMC (emission)		IEC/EN 55032:2015
	EMC (immunity)		IEC/EN 55035:2017
	RoHS		EN 63000:2018
	Warranty		3 years
	Operating temperature		0° to +50°C (+32° to +122°F)
	Operating humidity		10% to 90%, non-condensing
	Cooling		Cooling fan
Power	Power supply		External 160W Power Supply
	Supported power source		100-240 V AC; 50/60 Hz
	AC power plug		Interchangeable (EU, UK, JP/US, AUS/NZ)
	Battery cell type		BR1632A
Enclosure	Enclosure material		1 mm steel
	Dimensions in mm		271 W x 140,3 D x 26 H
	Dimensions in inch		10.7 W x 5.57 D x 1.01 H
	Weight (UCX-4x2-HC30)		900 g (TO BE CONFIRMED)
Video Inputs	USB-C input	Connector type	24-pole USB type C receptacle
		A/V standard	DP 1.2a
		HDCP compliance	HDCP 1.4, HDCP 2.2
		Color space	RGB, YCbCr
		Video delay	0 frame
		Max. video resolution	4096x2160@60Hz RGB 4:4:4 (up to 600MHz pixel clock); 1920x1080@120 Hz, 36 bit
		Audio formats	all formats in line with HDMI 2.0 standard
		3D support	yes

Specifications

Video Inputs	HDMI input	Connector type	19-pole HDMI Type A receptacle (with screw locking option)
		A/V standard	DVI 1.0, HDMI 1.4, HDMI 2.0
		Maximum data rate	18Gbps
		Maximum pixel clock	597MHz
		HDCP compliance	HDCP 1.4, HDCP 2.2
		Color space	RGB, YCbCr
		Video delay	0 frame
		Max. video resolution	4096x2160@60Hz RGB 4:4:4 (up to 600MHz pixel clock); 1920x1080@120 Hz, 36 bit
		Max. input HDMI cable length (with premium certified cable) at 3840x2160@60Hz 4:4:4	5m
		Re-clocking	Pixel Accurate Re-clocking
		3D support	yes
		Audio mode	Simultaneous pass-through and de-embedding to the Audio layer
		Supported audio formats for pass-through	All HDMI2.0 audio formats
		Supported audio formats for de-embedding	Uncompressed
		Compressed	Dolby Digital, DTS; Compressed HBR; Dolby TrueHD, DTS-HD
Video Outputs	HDMI output	Connector type	19-pole HDMI Type A receptacle
		A/V standard	DVI 1.0, HDMI 1.4, HDMI 2.0
		HDCP compliance	HDCP 1.4, HDCP 2.2
		Color space	RGB, YCbCr
		Supported resolutions	Up to UHD/4k@60Hz 4:4:4
		Audio formats	8 channel PCM, Dolby TrueHD; DTS-HD Master Audio 7.1
	TPX output	Connector type	RJ45 connector
		Power over Ethernet	Not supported
		Data rate	10GBase-T
		Compliance	AVXT
		HDCP compliance	HDCP 2.3
		Transferred signals	Video, Audio, USB 2.0, RS-232, OCS, Ethernet
		Color space	RGB, YCbCr
		Supported resolutions at 8 bits/color	up to 4096x2160@60Hz (4:4:4)
		Audio formats	8-channel PCM, Dolby TrueHD, DTS-HD Master Audio 7.1

Specifications

Audio Ports	Analog audio output	Connector type	5-pole Phoenix connector
		Audio formats	2-ch PCM
		Sampling frequency	48 kHz
		Volume	-95.62 dB-0 dB
		Balance	-100 +100 (0 = center)
	GPIO port	Connector type	8-pole Phoenix
		Function (pin 1-6)	Configurable (input/output)
		Function (pin 7)	5V output
Control ports	Ethernet port	Connector type	RJ45 female connector
		Ethernet data rate	10/100/1000 Base-T, full duplex with auto detect
		Power over Ethernet (PoE)	Not supported
	USB port	Connector type	A-type receptacle
		USB compliance	USB 2.0
		Connector type	mini B-type
		USB compliance	USB 2.0
	RS-232 port	Connector type	3-pole Phoenix connector
		Baud rates	between 9600 and 115200 baud
		Data bits	8
		Parity	None Odd/Even
		Stop bits	1/2
		Output voltage: Low level	3-15V
		Output voltage: High level	-15V - 3V