TAURUS DCX

DCX-2x1-HC10
SKU: 91310092

visual engineering
LIGHTWARE

Video Switcher with HDMI 2.0 and USB-C connectivity

Lightware's video switcher that exploits the **USB-C connectivity** for a simplified transmission of 4K video, audio, and power providing video resolution capabilities up to **4K@60Hz at 4:4:4.**

Bring Collaboration Spaces to the Next Level

The **DCX-2x1-HC10 video switcher** enhances and extends the possibilities of a meeting room and allows meeting participants to easily utilize the room HDMI display.

Exploit the Possibilities of USB connectivity

The device utilizes the **USB-C connectivity** for a simplified transmission of 4K video, audio, and power, allowing video resolution capabilities up to **4K@60Hz at 4:4:4.** Users who connect their laptop or other mobile device via USB-C can also enjoy **charging up to 100W**, thus eliminating the need to look for a wall plug and to avoid sudden interruption of meetings.

Devices such as laptops that do not come with USB-C connectivity can also be connected quickly and easily, using an **HDMI 2.0** connection without compromising the video resolution.

Features

- USB-C input connectivity for 4K Video, Audio, and Power over a single USB-C connection
- Charging via USB-C up to 100W
- Secure corporate Ethernet connectivity
- Smart & noiseless cooling system
- CEC at the HDMI output (available via REST API)
- Supports HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps)

Additional Features and Capabilities

The switcher thrives when it comes to **audio capabilities**, offering **analog audio de-embedding**.

Security is always a key concern in the corporate world, therefore our engineers ensured that the **DCX-2x1-HC10** adheres to the strictest security standards.

Secure corporate Ethernet interface ensures secure device control and configuration under the SSL and HTTPS standards, whilst the device can also be securely connected to a closed network of room control devices such as wall panels.

The Taurus DCX offers noiseless operation in most environments where conditions are considered regular, just like in a meeting room where temperatures do not exceed the low 20s in Celsius or about 70-75 in Fahrenheit.

- Secure websocket, SSL, HTTPS, 802.1x support for IT security
- Audio de-embedding
- Device control via Ethernet (TCP/IP)
- Uncompressed video up to 18 Gbps datarate (600 MHz pixel clock)

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Specifications

Video	Resolution		Up to UHD/4K@60Hz 4:4:4
	Signal Type		DP Alt Mode, HDMI 2.0, HDMI 1.x, DVI
	Maximum data rate		18 Gbps
	Maximum pixel clock		600 MHz
	Content protections		HDCP 1.x, HDCP 2.2
	Connector type (IN)		1x HDMI receptacle type A with screw locking option
			1x USB-C receptacle type A with screw locking option
	Connector type (OUT)		1x HDMI receptacle type A with screw locking option
	Video processing		Signal parameter measurement
Audio	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	LPCM (up to 2 channels, 192 kHz, 24 bits per sample)
Control	Ethernet	Control	1x 100Base-T via EtherCON for Secure Control
	USB	Connectors	1x USB Type C with charging function (up to 100W)
			1x mini USB Type B (reserved for service)
			1x USB Type A (Reserved for future developments)
General	Powering		External 120W power supply
	Dimensions	Width	246 mm
		Height	26 mm
		Depth	150 mm
	Operating conditions	Ambient temperature	0-50°C
		Relative humidity	0-90% (non-condensing)
	Transportation conditions	Ambient temperature	-20-70°C
		Relative humidity	0-95% (non-condensing)
	Compliance		EN 55032:2015 IEC 61000-3-3:2013+AMD1:2017 FCC CFR Title 47, Part 15, Subpart B
	Warranty		3 years