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.



Details

Bring Collaboration Spaces to the Next Level

The DCX-3x1-HC20 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-C 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.

Additional Features and Capabilities

Automated room control features are also included through GPIO ports, besides RS-232 and occupancy sensor connectivity, and the switcher also thrives when it comes to audio capabilities, offering analog audio de-embedding.

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Security is always a key concern to our customers, therefore our engineers ensured that the DCX-3x1-HC20 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.

The Lightware Advanced Room Automation **(LARA) firmware of Taurus DCX** enables users to intuitively control and manage UCC room assets and facilities like lights, drapes, HVAC, etc. LARA helps instantaneously start meetings and launch scenarios, which contributes to the entire productivity of corporate teams that include on-premises and remote colleagues.

Features

- **Fanless cooling system**
- **USB-C input connectivity** for 4K Video, Audio, and Power over a single USB-C connection
- **DisplayPort Alt Mode**
- **Secure corporate Ethernet connectivity**
- **CEC at the HDMI output** Available via REST API
- **USB-C charging up to 100W**
- **Supports HDMI 4K signal formats** 4K UHD @60Hz RGB 4:4:4, up to 18 Gbps
- **Remote system logging**

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)		2x 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 RJ-45 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)

Specifications

General	Powering		External 120W power supply
	Dimensions	Width	246 mm
		Height	26 mm
		Depth	150 mm
	Operating conditions	Ambient temperature	0-50oC
		Relative humidity	0-90% (non-condensing)
	Transportation conditions	Ambient temperature	-20-70oC
		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