UCX-4x2-HC30D

TAURUS UCX

visual engineering
LIGHTWARE

Universal Switcher with USB-C connectivity and Dante Audio

The **UCX-4x2-HC30D universal switcher** enhances and extends the possibilities of a meeting room and allows meeting participants to easily use their own devices such as laptops, and preferred video conference platforms while also to utilize the available assets of the meeting space, just like the HDMI displays, room cameras and other USB peripherals.

The device utilizes the **USB-C connectivity** for a simplified transmission of 4K video, audio, control signals and power, and allows data speeds of up to **5 Gbps** under the **USB 3.1 Gen1** providing video resolution capabilities up to **4K@60Hz at 4:4:4**.

Devices such as laptops that do not come with USB-C ports can also be connected quickly and easily, using a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections without compromising on either video resolution or data speeds.

The device allows up to four hosts to be connected to the system, and also ensures quick and easy switching between these hosts, making this universal switcher a perfect fit for smaller meeting areas, involving 6-12 people.

Automated room control features are also included through **GPIO ports,** besides of **RS-232** and occupancy sensor connectivity.

The switcher also thrives when it comes to **audio capabilities**, offering **analog audio de-embedding** feature as well as support for **DANTE/ AES67** network connection to send DANTE/AES67 audio stream directly to a dedicated audio system.

Security is always a key concern in the corporate world, therefore our engineers ensured that the **UCX-4x2-HC30D** adheres to the strictest security standards.

Secure corporate Ethernet interfaces ensure secure device control and configuration under the SSH, SSL and HTTPS standards, whilst the device can also be securely connected to a closed network of room control devices such as wall panels, or routed to the corporate system for additional control options, all via separate Ethernet layers.

The Taurus UCX 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 built-in fan is designed to operate only if the device is installed in a cabinet or other environment with unsufficient air-flow. We specified a maximum of 30dBA noise level for our ventilation system in a meeting room, to comply with the NC-30 és NR 30 standards.

In today's collaboration environments, it is key that the technology offers flexible and versatile ways for participants to unlock the full potential of a collaboration space and to not be limited by the default options offered by their meeting rooms.

The new **Taurus UCX product family** is Lightware's ground-breaking innovation offered for the increasingly growing demand for cutting-edge solutions in the world of Unified Communications.

Specifications

Video	Resolution		Up to UHD/4K@60Hz 4:4:4
	Signal Type		DP, HDMI 2.0, HDMI 1.x, DVI
	Maximum data rate		18 Gbps
	Maximum pixel clock		597 MHz
	Content protections		HDCP 1.x, HDCP 2.2
	Connector type		2x HDMI receptacle type A with screw locking option
			2x USB-C receptacle type A with screw locking option
	Video processing		Signal parameter measurement
	Standards		DP, HDMI 2.0, HDMI 1.4, DVI
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 8 channels, 192 kHz, 24 bits per sample)
		Compressed	Dolby Digtal, DTS
		Compressed HBR	Dolby TrueHD, DTS-HD
Control	Ethernet	Control	1x 100Base-T via EtherCON for Secure Control
		User Data	1x 100Base-T via EtherCON for Utility AV
			1x 100Base-T via EtherCON for Secure Corporate Ethernet
		Audio	1x 100Base-T via EtherCON for Dante audio (output)
	RS-232	Connector	2x 3Pol Phoenix
		Symbol rate	between 4800 and 115200 baud
		Configuration	8N1
	USB	Connectors	2x USB Type C with charging function (2x30W), Optional Ethernet access
			1x mini USB Type B for LDC control
			1x USB Type A for Service
			2x USB Type B for user application
			4x USB Type A for peripherals
	Room Occupancy Sensor	Connector	3Pol Phoenix
	GPIO	Connector	8Pol Phoenix
General	Powering		External 120W power supply
	Power consumption (max)		TBD
	Thermal dissipation (max)		TBD
	Weight		TBD
	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)
	Complience		EN 55032:2015
			IEC 61000-3-3:2013+AMD1:2017
			FCC CFR Title 47, Part 15, Subpart B
	Warranty		3 years