

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 insufficient 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 Digital, DTS
Compressed HBR			Dolby TrueHD, DTS-HD	
Control	Ethernet	Control	1x 100Base-T via RJ-45 for Secure Control	
		User Data	1x 100Base-T via RJ-45 for Utility AV	
			1x 100Base-T via RJ-45 for Secure Corporate Ethernet	
		Audio	1x 100Base-T via RJ-45 for Dante audio (output)	
	RS-232	Connector	2x 3Pol Phoenix	
		Symbol rate	between 9600 and 115200 baud	
		Configuration	Parity: none, odd or even Stopbits: 1 or 2	
	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)
	Compliance			EN 55032:2015 IEC 61000-3-3:2013+AMD1:2017 FCC CFR Title 47, Part 15, Subpart B
Warranty			3 years	