

## Universal Switcher with HDMI 2.0 and USB-C connectivity



The **UCX-4x2-HC30 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, and the switcher also 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 **UCX-4x2-HC30** adhere 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

<b>Video</b>	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		
<b>Audio</b>	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	
<b>Control</b>	Ethernet	Control	1x 100Base-T via EtherCON for Utility AV	
		User Data	1x 100Base-T via EtherCON for Secure Corporate Ethernet	
	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
	Room Occupancy Sensor	Connector		3Pol Phoenix
GPIO	Connector		8Pol Phoenix	
<b>General</b>	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