WELCOME TO THE AGE OF TAURUS

Lightware is delighted to announce the debut of the Taurus UCX, a universal switcher designed to tackle the common challenges of meeting rooms and collaboration environments. This unique connectivity platform allows users to share their content, switch hosts and control their meeting room easily and intuitively.

Connectivity & Charge

Just bring your own device, connect it easily and start sharing your desktop with the room right away whilst also charging your laptop in one go. The Taurus UCX offers USB-C connectivity for simplified handling of audio, video, power and control signals via one single cable.

Collaboration & Convenience

Take advantage of all the built-in assets of the room from the webcamera to microphones to speaker systems to screens. Easy host switching allows you to utilize all USB peripherals with the device and the multiple video conference platforms within the same room.

Control

Access and control room facilities such as lights and shades without the hassle of using multiple controlling platform, as the Taurus UCX allows you to get everything done simply via the native control panel or touchpad that is already used for the video conference system.

The Difference Taurus Can Make

Meetings of the Past

- Limited options to use BYOD
- Confusing amount and types of cables and control panels
- Unresponsive room devices such as displays and audio systems
- Complicated configurations
- Delays caused by long setup and 'problem-solving'
- "It's just doesn't want to work!"

FUTURE

PAST

Meetings of the Future

- Easy and straightforward connectivity
- HDMI and USB-C right at hand
- Quick and easy set up
- Simplified and automated controls
- No more delays to start meetings because of technical issues
- "It works just as it should!"

A Plethora Of Great Features And Capabilities

Full HDMI 2.0 Compatibility
Allowing 4K 60Hz 4:4:4 Signals

USB-C Connectivity
And Charging Up To 60w

USB 3.1 Gen1 Connectivity
And Host Switching Layer

UCX-4x2-HC30D

Analog and Dante/AES67
audio de-embedding

Simplified and Automated
Room Utility Controls

Enhanced Ethernet
Security Features

The Power of C - USB-C   One Device. Limitless Collaboration. Taurus UCX.

THE POWER OF
USB-C
Collaboration · Control · Connectivity
Convenience · Charging

The new Taurus UCX is a Unified Communications platform that allows you to Conveniently Collaborate by simply Connecting your own device via a single USB-C cable to share your Content and Control the meeting room easier then ever before.

It's time to forget about the frustration and the delays caused by confusing amount of tangled cables and dozens of plugs or stubborn webcams that somehow 'never want to work'.

The Taurus UCX combines video, audio, control and Ethernet signals into one single cable, and together with the autoswitching and intuitive room control capabilities it brings you the experience of the future. Today.

4K

Achieving 4K60 Video

Take a deep dive into the technical solutions behind the Taurus UCX's capabilities to handle 4K60 RGB video signals on the USB-C input ports without sacrificing the possibility to utilize USB peripherals on the same cable.

Build-In Superspeed USB Hub

The new Taurus UCX comes with a built-in superspeed USB hub and superspeed USB host switch, allowing users to connect USB peripherals and switch between different host devices (such as laptops) easier than ever before.

Differences of USB-C Compatible Devices

Not every USB-C device is created equal, and neither are USB-C cables. Different laptops come with different capabilities and features on what is achievable through USB-C, including DisplayPort Alternate mode and charging.

UCX-2x1-HC30

Universal Switcher with HDMI 2.0 and USB-C connectivity

Bring Collaboration Spaces to the Next Level

The **UCX-2x1-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.

Exploit the Possibilities of USB connectivity

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** and 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 60w**, 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 a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections without compromising on either video resolution or data speeds.

The device is designed to be a centerpiece of any collaboration space, and can be connected to **two USB peripherals** via USB-A type connectors.

The device allows up to two 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 4-8 people.

Additional Features and Capabilities

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-2x1-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 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 and 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 **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**.

UCX-2x2-H30

Universal Switcher with HDMI 2.0 connectivity and USB 3.1 Gen1 features

Bring Collaboration Spaces to the Next Level

The **UCX-2x2-H30 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.

Exploit the Possibilities of USB connectivity

The device is designed to be a centerpiece of any collaboration space, and can be connected to **four USB peripherals** via USB-A type connectors.

Hosts then can connect their own devices to the **UCX-2x2-H30** and gain control over the rooms peripherals. By simply using a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections, video and audio signals can be transferred up to a resolution of **4k@60Hz 4:4:4 and data speeds up to 5 Gbps**.

The device allows up to two hosts to be connected to the system, and also ensures quick and easy switching between the users. Two sets of HDMI 2.0 and USB inputs makes this universal switcher a perfect fit for smaller meeting areas, involving 4-8 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.

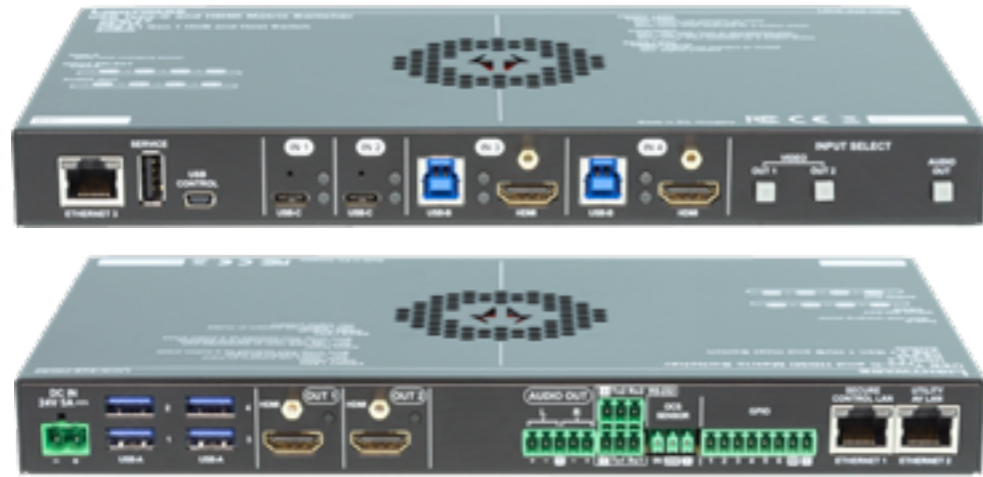### Additional Features and Capabilities

Security is always a key concern in the corporate world, therefore our engineers ensured that the **UCX-2x2-H30** adheres to the strictest security standards. A **secure corporate Ethernet interface** ensures secure device control and configuration under the SSH, SSL and HTTPS standards.

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 and 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 they clearly demand to not be limited by the default options offered by their meeting rooms.

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Universal Switcher with HDMI 2.0 and USB-C connectivity

Bring Collaboration Spaces to the Next Level

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.

Exploit the Possibilities of USB connectivity

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** and 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 60w**, 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 a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections without compromising on either video resolution or data speeds.

The device is designed to be a centerpiece of any collaboration space, and can be connected to **four USB peripherals** via USB-A type connectors.

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.

Additional Features and Capabilities

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 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 and 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 **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.

Universal Switcher with USB-C connectivity and Dante Audio

Bring Collaboration Spaces to the Next Level

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 utilizing the available assets of the meeting space, just like the HDMI displays, room cameras, and other USB peripherals.

Exploit the Possibilities of USB connectivity

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** and allowing video resolution capabilities up to **4K@60Hz at 4:4:4**. Users who connect their laptop or other mobile devices to the USB C switch can also enjoy **charging up to 60w**, 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 a combination of **HDMI 2.0** and **USB 3.1 Gen1** connections without compromising on either video resolution or data speeds.

The device is designed to be a centerpiece of any collaboration space and can be connected to **four USB peripherals** via USB-A type connectors.

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.

Additional Features and Capabilities

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

The switcher also thrives when it comes to **audio capabilities**, offering **analog audio de-embedding** features 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** 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 airflow. We specified a maximum of 30dBA noise level for our ventilation system in a meeting room, to comply with the NC-30 and 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 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.

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CAB-USBC-T300A

USB Full-Featured Type-C cable for USB 3.1 Gen 1 (3m)

Details

This Type-C to Type-C USB cable offers data speeds up to 5Gbps and allows users to connect their laptop or other devices to Lightware's USB-C compatible extenders and switchers. The cable's length of 3m is ideal for most meeting room and presenter's desk applications.

The cable proved itself to work with great efficiency with our new USB-C capable Taurus UCX as well as with various source devices. Its reliability, build-quality and technical parameters make this accessory our number one choice forprojects involving USB-C connectivity.

Available Sizes

CAB-USBC-T300A

3m Full-Featured USB Type-C cable for USB 3.1 Gen 1

CAB-USBC-T200A

2m Full-Featured USB Type-C cable for USB 3.1 Gen 1

CAB-USBC-T100A

1m Full-Featured USB Type-C cable for USB 3.1 Gen 2

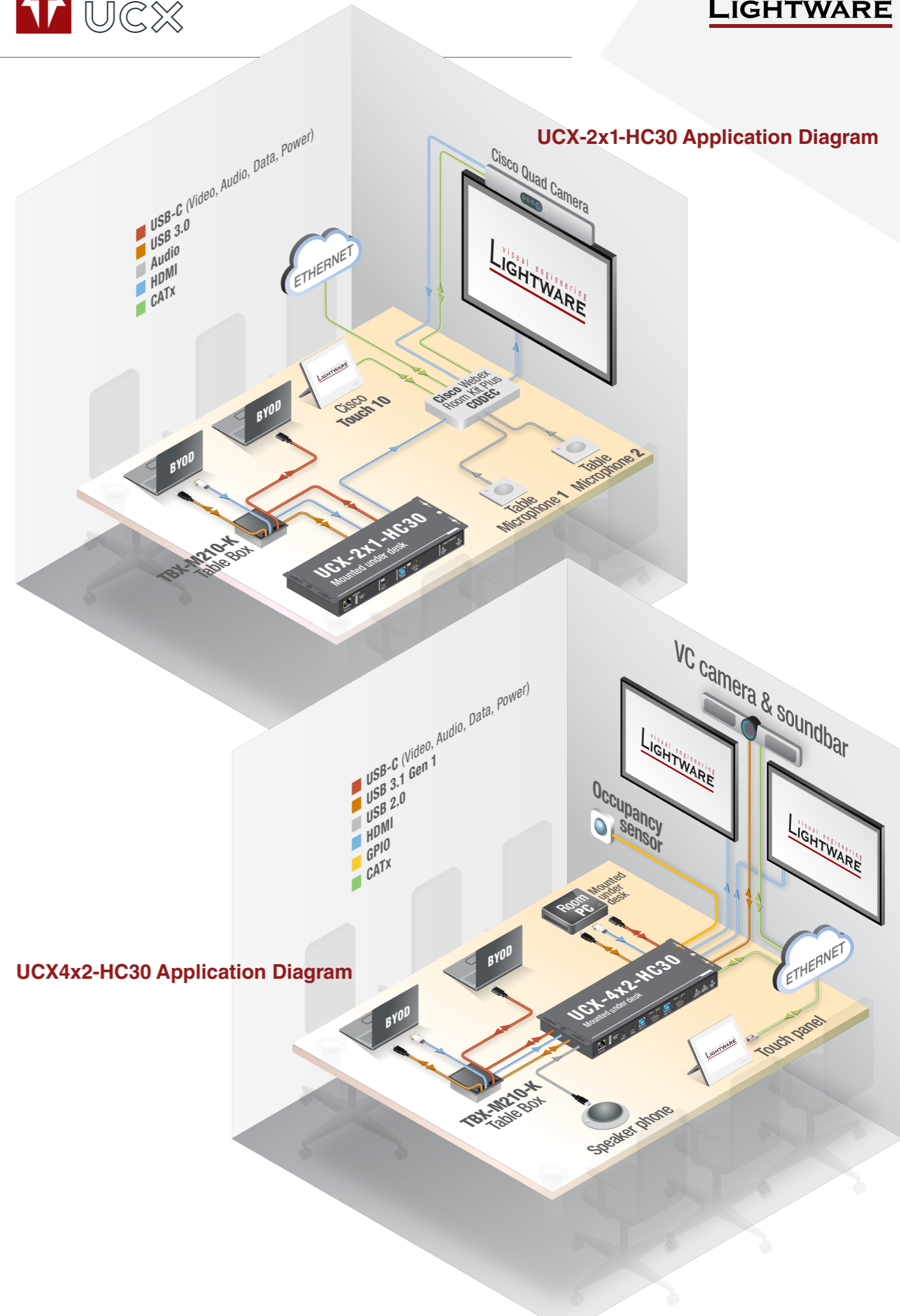3m ---- 2m ---- 1m

UCX-2x1-HC30 Application Diagram

USB-C (Video, Audio, Data, Power)
USB 3.0
Audio
HDMI
CATx

UCX4x2-HC30 Application Diagram

USB-C (Video, Audio, Data, Power)
USB 3.1 Gen 1
USB 2.0
HDMI
GPIO
CATx

Taurus UCX Comparison Chart

			UCX-2x2-H30	UCX-2x1-HC30	UCX-4x2-HC30	UCX-4x2-HC30D
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		600 MHz			
	Content protections		HDCP 1.x, HDCP 2.2			
	Connector type		2x HDMI receptacle type A with screw locking option	1x HDMI receptacle type A with screw locking option	2x HDMI receptacle type A with screw locking option	
				1x USB-C receptacle type A with screw locking option	2x USB-C receptacle type A with screw locking option	
	Video processing		Signal parameter measurement			
	Standards		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		1x 100Base-T via EtherCON for Utility AV	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	1x 100Base-T via EtherCON for Utility AV
				1x 100Base-T via EtherCON for Secure Corporate Ethernet		1x 100Base-T via EtherCON for Secure Corporate Ethernet
		Audio		1x 100Base-T via EtherCON for Dante audio (output)		1x 100Base-T via EtherCON for Dante audio (output)
	RS-232	Connector	1x 3Pol Phoenix		2x 3Pol Phoenix	
		Symbol rate	between 4800 and 115200 baud			
		Configuration	8N1			
	USB	Connectors	1x mini USB Type B for LDC control	1x USB Type C with charging function (2x30W), Optional Ethernet access	2x USB Type C with charging function (2x30W), Optional Ethernet access	
			1x USB Type A for Service	1x mini USB Type B for LDC control		
			2x USB Type B for user application	1x USB Type A for Service		
			4x USB Type A for peripherals	1x USB Type B for user application	2x USB Type B for user application	
				4x USB Type A for peripherals	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			