



**LIGHTWARE**

INNOVATIVE. RELIABLE. MADE IN EUROPE.



# **THE POWER OF THE TAURUS PRODUCT FAMILY**

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**The All-in-one USB Solution  
for Modern Workspaces**

# WHY USB-C?

## THE POWER OF USB-C



In today's fast-paced world of digital communication and collaboration, the tools that enable seamless interaction between devices are more essential than ever. One of the most versatile and powerful technologies leading this transformation is USB-C. With its ability to handle **data, video, power, and audio, all through a single cable**, USB-C has become the preferred connection method for modern workplaces and AV environments.

## WHAT DOES USB-C DELIVER?



USB 2.0 Data



USB 3.x Data



Charging Power  
(Power delivery)



AV Signals  
(DisplayPort Alt mode)

## WHY USB-C IS LEADING THE WAY

The growing adoption of USB-C is reshaping the way we connect, communicate and collaborate. **The USB-C connector supports various USB standards, various video standards, Thunderbolt standards and power delivery.** This simple reversible connector is designed for seamless connectivity.

## ONE CABLE TO RULE THEM ALL

Gone are the days of juggling multiple cables for power, data transfer, video output, and audio connections. **USB-C consolidates all these functions into a single cable, reducing clutter and making it easier to connect devices instantly.** Whether you're sharing a presentation in a conference room, plugging in your laptop for a video call, or connecting multiple peripherals, USB-C streamlines the process, improving both efficiency and productivity.

## BRING YOUR OWN DEVICE (BYOD)

Using your own computer or mobile device has become standard in many environments. When you connect, all your settings are there and **Lightware lets you connect seamlessly** into the room's audio and video systems without any need to reconfigure your device.

## SPEED AND PERFORMANCE

One of USB-C's most significant advantages is its ability to transfer data and video at incredibly high speeds. With support for USB 3.1, 3.2, and Thunderbolt 3/4 standards, **USB-C can deliver data rates of up to 40 Gbps**, making it ideal for handling everything from 4K video streaming with almost no latency to large file transfers. This performance is particularly critical in professional environments where timing is critical, and reliability is non-negotiable.

## FUTURE-PROOF COMPATIBILITY

As more manufacturers standardize around USB-C, this technology is becoming future-proof. It supports backward compatibility with older USB formats and is forward-compatible with emerging technologies, ensuring that **devices equipped with USB-C will remain relevant for years to come**. For businesses and individuals alike, this means longer-lasting hardware investments and fewer upgrades, all while maintaining top-tier performance.

In a rapidly evolving landscape, **Lightware's Taurus family consists of solutions that bring the power of USB-C to the forefront**, making collaboration not only easier but smarter.

## POWER DELIVERY AND CHARGING

USB-C also simplifies power management by supporting USB Power Delivery (PD). This feature allows USB-C to provide up to 240 W of power, enabling it to charge everything from smartphones to laptops, eliminating the need for separate power cables. In environments like meeting rooms or classrooms, this **reduces setup time, ensures devices remain charged, and promotes a more organized and efficient workspace**.

## LIGHTWARE'S TAURUS SOLUTIONS

Lightware's Taurus product family is designed with USB-C at its core, enabling a seamless, **all-in-one solution** for today's hybrid workplaces and AV environments.

Whether it's a meeting room, classroom, or collaboration space, the Taurus range empowers users to connect instantly, share content effortlessly, and communicate more effectively – all while enjoying the full benefits of USB-C's advanced features. **By integrating USB-C technology with Lightware's expertise in video and signal management, Taurus is setting a new standard for how teams interact with their technology.**

Gone are the days of cable chaos and connectivity hiccups. Lightware's Taurus offers unmatched versatility, supporting various devices and platforms, ensuring everyone can connect seamlessly. The brilliance of 4K or 5K resolution brings your presentations to life, captivating your audience and leaving a lasting impression.

**Whatever your AV problem or meeting room needs, we have a Taurus solution for it.**



## THERE'S A TAURUS FOR THAT

The Lightware Taurus range is designed to seamlessly adapt to a variety of AV environments, addressing common challenges and enhancing your meeting spaces. Whether you're looking for a true extended desktop experience or improved device connectivity in larger boardrooms, rest assured – there's a Taurus solution for you.

### COMMON CHALLENGE #1 – DESIGNING AV SYSTEMS FOR LARGER MEETING ROOMS

Looking to extend your connectivity beyond standard 3-5m (10-15') cable lengths? There's a Taurus for that, too. Taurus TPX is specifically engineered to extend **USB-C signals up to 100-meters** without sacrificing quality, making distance a non-issue in larger meeting spaces. Enjoy the full suite of Taurus benefits, including effortless HDMI and USB-C connectivity and seamless integration with top meeting platforms like Cisco Webex, Microsoft Teams, and Zoom.

### COMMON CHALLENGE #2 – ACHIEVING SEAMLESS CONNECTIVITY IN LARGE SPACES SUCH AS LECTURE THEATRES AND AUDITORIUMS

For those seeking powerful AV routing over larger networks, the **Taurus TPN harnesses the latest SDVoE and USB-C technology**, allowing you to transmit a single source to multiple destinations over 10G Ethernet. Whether it's a laptop, computer, or other devices, any signal can be routed seamlessly throughout your network. Ideal for larger boardrooms, Taurus TPN ensures flawless device switching, sharing, and connectivity and, like Taurus TPX, can extend USB-C signals up to 100 meters. **The TPN MMU (Matrix Management Unit) further streamlines large deployments by centrally discovering, configuring, and managing all TPN endpoints**, significantly reducing installation time while providing an intuitive crosspoint, scaler, and device-level control interface.

### COMMON CHALLENGE #3 – ACHIEVING A TRUE EXTENDED DESKTOP EXPERIENCE WITHOUT THE CABLE CHAOS

Our **Dual Screen Extended Desktop** Taurus UCX-4x3-HCM40 effortlessly extends your BYOD display to two additional screens simultaneously, eliminating the clutter of multiple cables and delivering a true **extended desktop experience – perfect for enhanced productivity**.

### COMMON CHALLENGE #4 – UNIFYING DANTE AUDIO IN MEETING ROOMS

For unified Dante Audio handling in meeting rooms or auditoriums, our **Taurus UCX variant with a bi-directional Dante/AES67 bridge offers a game-changing solution**. Apart from being able to de-embed any laptop's HDMI or DisplayPort audio output to the Dante network, the **-BD variant also has a USB Audio bridge**, allowing the room's Dante microphone to be connected to the host laptop. This way the call's remote participants get the best possible sound quality.

## READY TO MEET THE TAURUS FAMILY?

Each model in the Taurus family was designed to provide the same user experience, regardless of whether a standalone UCX, an extended UCX-TPX or a networked UCX-TPN variant is working in the background. BYOD devices can always share a 4K60 or 5K30 video signal, get access to the room's USB peripherals and receive charging over the USB-C cable.



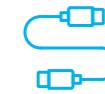
Small to medium-sized rooms



Simple USB-C connectivity for laptop connections and content sharing



Supports device charging



Larger meeting rooms requiring extended USB capabilities



High-resolution video extension through a single CATx cable



Easy cabling and cost saving with PoE remote powering



USB extension over IP networks



Ideal for the most complex and demanding AV configurations



Seamless switching with -SR receiver variants



## REVOLUTIONIZING CONNECTIVITY AND COLLABORATION

In today's hybrid world, seamless collaboration and high-quality communication is more important than ever. Whether in corporate meeting rooms, educational environments, or home offices, the ability to connect multiple devices across various platforms is critical to enhancing productivity and achieving efficient workflows. Taurus UCX is the cutting-edge solution that meets these demands. As a versatile and high-performance 4K60 or 5K30 video switcher, Taurus UCX delivers advanced connectivity options, secure content sharing, and smooth collaboration, tailored to the dynamic needs of modern workspaces.



## VERSATILE 4K/5K AND USB-C CONNECTIVITY

The Taurus UCX series stands out with its unique approach to unified communications. It is designed to **support HDMI and DisplayPort 4K/5K video switching as well as full USB 2.0 and 3.x peripheral management**. This multi-format compatibility ensures that users can easily connect any source device to the room's AV system, making Taurus UCX a valuable asset for meeting spaces where laptops, projectors, video conferencing systems, and additional peripherals are frequently used.

At the core of every Taurus UCX is Full-Featured USB-C connectivity, a game-changer for seamless integration of devices. With the increasing prevalence of USB-C as a universal standard for data, audio, and video transmission, the Taurus UCX allows you to connect a wide range of devices, including laptops, tablets, and smartphones, with a single cable. **This one-cable solution simplifies the entire setup, providing audio, video, control, Ethernet, and charging capabilities through one connection**. For meeting participants, this means fewer cables, less complexity, and a more streamlined experience when sharing content or presenting.

Meetings of the Past	
<ul style="list-style-type: none"> <li>Limited options to use BYOD</li> <li>Confusing amount and types of cables and control panels</li> <li>Unresponsive room devices such as displays and audio systems</li> <li>Complicated configurations</li> <li>Delays caused by long setup and 'problem-solving'</li> <li>"It just doesn't want to work!"</li> </ul>	<p><b>FUTURE</b></p>
<p><b>PAST</b></p>	

Meetings of the Future	
<ul style="list-style-type: none"> <li>Easy and Straightforward connectivity</li> <li>HDMI and USB-C right at hand</li> <li>Quick and easy set up</li> <li>Simplified and automated controls</li> <li>No more delays to start meetings because of technical issues</li> <li>"It works just as it should!"</li> </ul>	

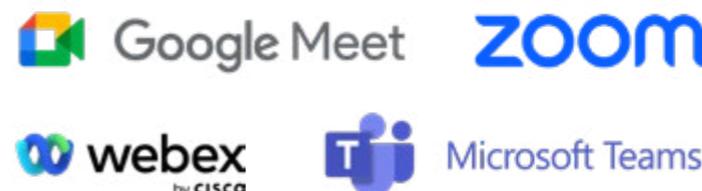
## ENHANCING IN-PERSON AND HYBRID COLLABORATION

With the rise of hybrid and remote work models, Taurus UCX supports collaboration across multiple platforms and devices. Its seamless integration with major meeting platforms, such as Zoom, Teams, Cisco Webex and Google Meet, ensures that **no matter where participants are located, they can easily join and engage in meetings with high-quality video and audio**.

For environments like boardrooms, classrooms, or even huddle spaces, Taurus UCX enables real-time content sharing from multiple sources, whether it's sharing presentations, videos, or documents.

**Users can quickly switch between content**, while maintaining a smooth workflow, ensuring that the focus remains on collaboration, not troubleshooting technology. It also allows users to take advantage of all the built-in assets of the room they're using, from the USB webcams to microphones and speaker systems, and use them directly with their laptop or other devices.

Users can also **access and control room facilities** such as lights and shades without the hassle of using multiple control platforms, as the Taurus UCX allows you to get everything done simply via the native control touch panel that is already used for the video conference system.



## AWARDS

**2022 AV Awards:** Taurus UCX - Collaboration Technology of the Year

**best of show 2024**  
\*\*\*\*\*AT ISE 2024\*\*\*\*\*

**ISE 2024:** Best of Show - Taurus UCX-4x3-HCM40 Dual Screen Solution



**rAVe:** Best New Video Switcher Award - Taurus UCX-4x3-HCM40

## THE AVARD

THE PROAV AWARD GERMANY

**The AVard:** Taurus UCX-4x3-HC40 - Collaboration & Conferencing Category

Additionally, the low-latency signal transmission and highly advanced signal management features of Taurus UCX are crucial for video conferencing, ensuring that the meeting experience feels as close to in-person as possible. Whether you're connecting across the globe or simply sharing content within the same room, this device eliminates lag, delays, and synchronization issues, keeping communication uninterrupted and efficient.

## ADVANCED SECURITY

In professional and educational settings, data security is a key concern. Taurus UCX addresses this by offering options with **NIST FIPS\* 140-2 certified** cryptography. This advanced cryptographic module ensures that content sharing is secure, preventing unauthorized access to sensitive information.

Designed to meet the most stringent standards, Lightware **Crypto Core provides unparalleled protection for your data, ensuring compliance** and peace of mind. It handles secure key management, data integrity, data at rest encryption, and secure communications through a trusted implementation, certified against the **FIPS 1402 standard** by an independent laboratory. Whether you're presenting financial data, intellectual property, or confidential client information, Taurus UCX helps protect it with encrypted connections and secure access control.

\*FIPS is available in the US or by special order. This is not a default feature.



## TAILORED FOR THE FUTURE

Taurus UCX is not just a solution for today's needs, but one designed to evolve with future technology advancements. It is 4K HDR-capable, offering future-proofed video support for the next generation of ultra-high-definition displays. This ensures that even as video quality demands continue to rise, Taurus UCX remains a valuable tool in delivering exceptional visual clarity and vibrant color representation.

Moreover, **Taurus UCX is ideal for multi-use spaces that need flexible AV solutions.** From conference rooms and classrooms to collaborative spaces and lecture halls, its scalable design can be configured to meet the specific needs of various environments. This scalability allows organizations to standardize their AV setups across different rooms and locations, ensuring a consistent and high-quality user experience.

## BOOSTING PRODUCTIVITY ACROSS SECTORS

The intuitive design of the Taurus UCX series allows even non-technical users to quickly get up and running. With automatic source detection and easy switching between devices, Taurus UCX eliminates the need for complicated setups or lengthy troubleshooting. **This makes it perfect for environments where meetings need to start on time, without delays caused by tech issues.**

In corporate settings, it enhances productivity by allowing smooth, **effortless interaction between in-room and remote participants, making meetings more dynamic and efficient.** Meanwhile, in educational institutions, it simplifies the process of sharing content between teachers and students, promoting more engaging and interactive lessons, whether in-person or remote.

For professionals in industries that demand high-security standards, such as finance, government, and healthcare, **Taurus UCX ensures the protection of critical data while maintaining robust connectivity and performance.** Its cross-platform compatibility and universal device support further enhance its utility, making it a universal solution for any environment where collaboration and information sharing are key.

With Taurus UCX, Lightware has created a versatile, future-proof device that not only simplifies complex AV setups but also ensures that every meeting, presentation, or lecture is executed with excellence.

**Taurus UCX is your gateway to frictionless connectivity and unparalleled collaboration, helping you create smarter, more connected environments.**



## CONNECT EFFORTLESSLY WITH LARA

Lightware's LARA (Lightware Advanced Room Automation) is an essential tool designed to manage and control AV setups in meeting rooms efficiently. It enables seamless integration of third-party devices with Lightware products by leveraging Lightware's open API. This interoperability allows users to customize their AV systems, ensuring that various components can communicate and function together effectively.

## DISCOVER OUR SPECIAL TAURUS UCX VARIANTS

### TAURUS SMART DOCK

UCX-1X1-C60

- An ideal solution for workstations and small huddle rooms
- Guaranteed support for all major laptop brands
- Can be controlled and monitored remotely

### TAURUS DANTE / BRIDGE DANTE

UCX-4X3-HC60-BD

- Dedicated Dante/AES67 network connection
- Audio streaming directly to room audio systems
- BD variant with 2-way Dante bridge (Mic In & Speaker Out) and DSP built-in

### TAURUS DUAL SCREEN EXTENDED DESKTOP

UCX-4X3-HCM40

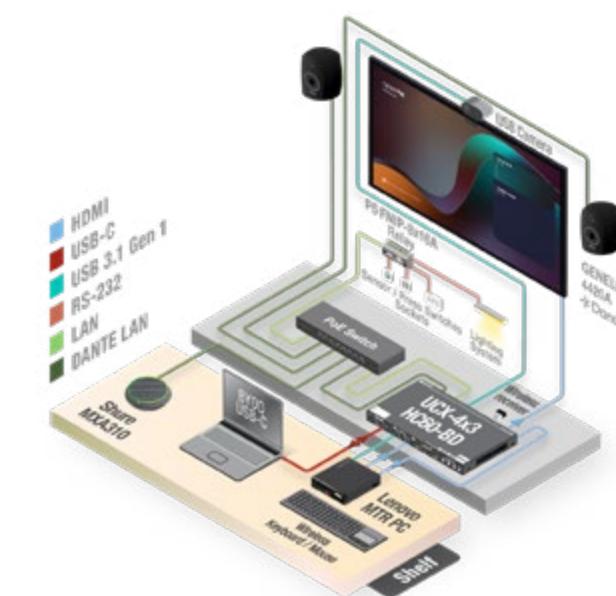
- Fully compatible with both Apple and Windows devices
- Extend your BYOD device to 2 screens over a single cable
- Eliminates cable clutter for streamlined meetings



Taurus Smart Dock



Dual Screen Extended Desktop Taurus



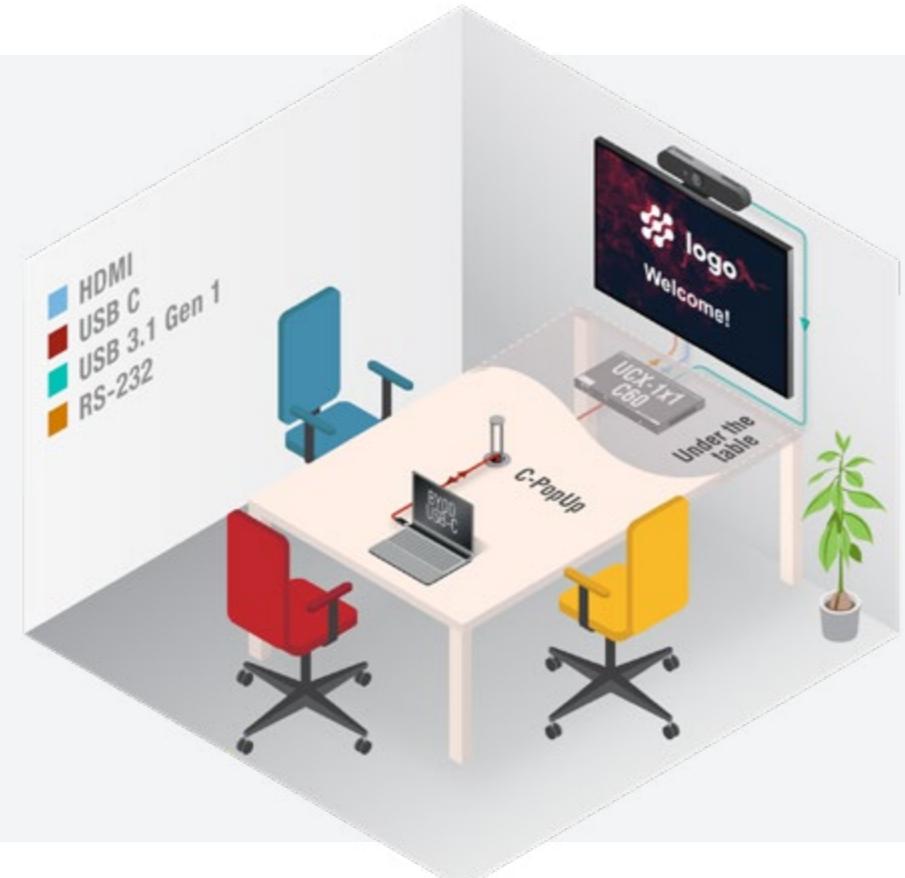
Taurus Dante / Bridge Dante

## TAURUS SMART DOCK

The **UCX-1X1-C60**, also known as the Taurus Smart Dock, redefines docking station functionality, going beyond traditional workstation capabilities. Designed for IT environments, it is an ideal solution for individual workstations or as a standalone docking station. With its flexible **Bring Your Own Meeting (BYOM)** features, it enhances workspaces with a powerful and professional docking experience, making it equally effective for small huddle rooms.

### KEY FEATURES

- High-Performance Docking Station:** Purpose-built with IT needs in mind, focusing on reliability and flexibility rather than traditional AV.
- Cross-Platform Compatibility:** Fully compatible with both Apple and Windows devices.
- Flexible Connectivity:** Supports a wide range of peripherals, ensuring seamless meeting setups across diverse formats and technology preferences.
- Room Automation:** Powered by the built-in **LARA** room automation system, simplifying room programming and enhancing automation capabilities.
- Enterprise-Friendly Design:** Tailored for large enterprises, enabling IT departments to monitor and manage docking stations remotely for uninterrupted operations and proactive support.
- Fast Meeting Start:** Offers quick boot times of approximately 5 seconds, ensuring efficient and hassle-free meetings.
- Unique Device Password for Enhanced Security:** Every unit includes a factory-generated, device-specific strong password printed on the bottom label (including QR), ensuring secure default access and meeting modern enterprise IT compliance expectations.
- DSC (Display Stream Compression) Support:** VESA standard technology that enables visually lossless 4K60 video transmission and SuperSpeed USB peripheral operation at the same time.
- 100W Fast Charging:** keep your laptop's battery topped up even during CPU and GPU intensive tasks like video editing or 3D design.



### WHY CHOOSE TAURUS SMART DOCK

The **Taurus Smart Dock** is a versatile 2-in-1 solution, seamlessly combining the functionality of a professional docking station with the capabilities of an advanced, automated meeting room system. Ideal for both **workstations and small huddle rooms**, it offers the convenience of **BYOM**, the efficiency of **remote management**, and the intelligent automation of **LARA**, making it an essential tool for streamlined and dynamic workspaces.

## TAURUS DUAL SCREEN EXTENDED DESKTOP

The **Taurus UCX-4x3-HCM40** dual screen solution offers a range of benefits designed to enhance productivity and streamline workflows in professional environments:

### KEY FEATURES

#### Cross-Platform Compatibility Supports Apple and Windows

- A clever mix of DisplayPort Alternate Mode and DisplayLink technologies ensures compatibility with all operating systems eg. Apple and Windows devices

#### Seamless Dual Screen Support

- Extended Desktop Experience:** Effortlessly expands a single workspace across two 4K60 displays for improved multitasking and efficiency.
- Single USB-C Cable Connection:** Connects both displays and peripherals with just one cable, reducing clutter and simplifying setup.

#### BYOM (Bring Your Own Meeting) Capability

- Supports flexible **BYOM functionality**, enabling users to integrate their devices seamlessly into meeting rooms and share content across dual screens.
- Perfect for hybrid meeting setups, allowing users to easily connect laptops or devices for presentations.

#### Advanced Connectivity

- Provides **100W USB-C charging** and data transfer while supporting high-resolution video output, ensuring a smooth and reliable connection.

#### Room Automation with LARA

- Includes built-in **LARA automation**, enabling advanced control of meeting room devices such as lighting, displays, and other peripherals.
- Simplifies room programming and enhances the user experience in shared spaces.

#### Simplified IT Management

- Remote monitoring and management capabilities allow IT teams to oversee and troubleshoot connected devices, ensuring uninterrupted operations.

#### Ideal Use Cases

- Small to Medium Meeting Rooms: Perfect for collaborative settings requiring dual displays and seamless BYOM integration.

The **Taurus UCX-4x3-HCM40** offers a smart, efficient, and user-friendly solution for dual screen setups, combining powerful features with simplified operation to meet the demands of modern workspaces and meeting rooms.



		UCX-1x1-C60	UCX-2x1-HC60	UCX-2x2-H60	UCX-4x2-HC60	UCX-4x3-HC60	UCX-4x2-HC40D	UCX-4x3-HC60-BD	UCX-4x3-HCM40
AV Interface	Inputs	Welcome Screen	✓	✓	✓	✓	✓	✓	✓
		HDMI input	✗	✓ (1x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)
		Full-Featured USB-C input	✓ (1x)	✓ (1x)	✗	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)
		Dante/AES67 input	✗	✗	✗	✗	✗	✓ (2ch)	✗
	Outputs	HDMI output	✓ (1x)	✓ (1x)	✓ (2x)	✓ (2x)	✓ (3x)	✓ (2x)	✓ (3x)
		Analog audio output	✗	✓	✓	✓	✓	✓	✓
		DANTE / AES67 output	✗	✗	✗	✗	✗	✓ (2ch)	✓ (2ch)
		USB-C	✗	✗	✓ (1x)	✓ (1x)	✓ (1x)	✓ (1x)	✓ (1x)
USB Data ports	Upstream facing (for host device)	USB-B	✗	✓ (1x)	✓ (1x)	✓ (1x)	✓ (1x)	✓ (1x)	✓ (1x)
		USB-C	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✗	✓ (2x)
	Peripheral ports	USB-A	✓ (1x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (4x)	✓ (2x)
		USB-C	✓ (1x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✗	✓ (2x)
PD (Power Delivery) Charging over USB-C	Power Budget	✓ Max 100W	✓ Max 100W	✗	✓ Max 100W/ port; 120W altogether	✓ Max 100W/ port; 120W altogether	✓ Max 100W/ port; 120W altogether	✓ Max 100W/ port; 120W altogether	✓ Max 100W
Control Interface	Ethernet ports	Configurable Ethernet	✓ (1x)	✓ (3x)	✓ (1x)	✓ (3x)	✓ (3x)	✓ (3x)	✓ (3x)
		RS-232	✓ (1x)	✓ (1x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)	✓ (2x)
	Control Ports	GPIO	✗	✓	✓	✓	✓	✓	✓
		OCS	✗	✓	✓	✓	✓	✓	✓
Cooling	Passive	✓	✓	✓	✓	✓	✓	✓	✗
	Active	✗	✗	✗	✗	✗	✗	✗	✓
Dimensions		Half rack wide; Half U high Size 1				Wider than half rack; Half U high Size 2			


**TAURUS**  
**TPX**

## NEXT-GENERATION USB-C EXTENSION OVER SDVOE

Since its introduction, the Taurus product line has offered a variety of product variants to the professional AV market. One of the most important is the extended version, Taurus UCX-TPX.

The InfoComm 2023 Best of the Show Award-winning two-box (transmitter/receiver) device liberates users from the constraints of USB-C or USB and HDMI cables, providing seamless integration of diverse multimedia signals using SDVoE technology, up to 100-meters, while working in a point-to-point arrangement. This revolutionary solution allows the **extension of video and audio from TX to RX, while simultaneously enabling the transmission of USB 2.0 (high-speed 480 Mbps) peripheral data in any direction**, regardless of whether the selected host is at the table or the display side.

**KEY FEATURES**

- Supports HDMI 2.0 4K60 or 5K30 signals up to 100 meters**
- USB-C Connectivity, with charging up to 100W**
- Connect up to 8 USB peripherals**



**Bulit-in LARA room automation**

**RX can be powered by the TX via PoE or locally via a power adaptor.**

### ELEVATING CONNECTIVITY AND COLLABORATION

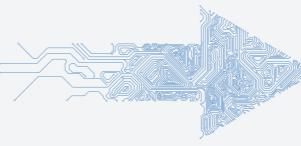
The Taurus TPX series is designed to tackle the challenges of long-distance signal transmission in modern meeting spaces, classrooms, and large-scale AV environments. With its cutting-edge technology, Taurus TPX provides unparalleled performance in extending 4K60 or 5K30 signals and ensuring robust connectivity across significant distances.

**Benefits from the Taurus UCX**

- Best use in huddle rooms, up to approximately 6 attendees
- Easy and straightforward connectivity
- HDMI and USB-C right at hand
- Simplified and automated controls
- Start your meeting in 5 seconds

**Additional features with the Taurus TPX**

- In medium and large meeting rooms, accomodating anywhere from 6 attendees to as many as you desire
- Seamless integration up to 100 meters
- +4 USB host device connectivity on the RX side
- RX device receives PoE remote powering from TX device





InfoComm US 2023: Best of Show - Taurus TPX

## AWARDS 2024

2024 AV Awards:  
Taurus TPX - Collaboration  
Technology of the Year

## 4K60 & 5K30 4:4:4 VIDEO SUPPORT

The demand for high-definition content has grown rapidly across various industries. Like the Taurus UCX, **Taurus TPX fully supports 4K60 UHD resolution and now 5K30 ultra-wide formats**, ensuring your video content is delivered in stunning detail and clarity. With 4K and 5K resolution, visuals are sharper, colors are more vibrant, and ultra-wide canvases provide more space for data, dashboards, and creative layouts, ideal for modern meeting rooms and productivity-focused environments.

For industries like media production, design, architecture, and healthcare, where high-quality visuals are essential, the Taurus TPX allows teams to share detailed content in real time without worrying about resolution loss or signal interference. This ensures that collaborators, clients, or students can see the content exactly as intended, regardless of where they are within the venue.



### Extend Video Connectivity

seamless integration of USB 2.0 (High-speed 480Mbps) and HDMI 2.0 4K@60Hz or 5K@30Hz 4:4:4 signals over distances of up to 100 meters



UCX-4x3-TPX-TX20



### Connectivity for multiple USB hosts

connect up to 8 peripherals (camera, keyboard, mouse, USB DSP, touch monitor, etc.) and switch them to different host devices



### BYOM Compatibility in Larger Spaces

USB-C connectivity for audio, video, control, data and charging laptop or mobile up to 100W



HDMI-UCX-TPX-RX107

Like the UCX, it benefits from versatile video conferencing platform integration, and intuitive control of all room facilities facilities – including lights and shades – all whilst offering the ability to take advantage of all the built-in assets of the room, from the USB webcamera to microphones and speaker systems, so that you can use them directly with your laptop or other devices.

## LONG-DISTANCE SIGNAL EXTENSION

One of the standout features of the Taurus TPX series is its ability to extend high-quality 4K60 or 5K30 signals over a distance of up to **100-meters** (328 feet). This makes Taurus TPX the perfect solution for larger spaces, such as conference rooms, auditoriums, lecture halls, and other large venues, where maintaining the integrity and clarity of AV signals is crucial. Unlike traditional solutions that may suffer from signal degradation over long distances, Taurus TPX ensures that video, audio, USB, and Ethernet signals are transmitted with **zero loss in quality**, even at maximum range.

Whether your presentation relies on sharp visuals or your meeting requires crystal-clear audio, Taurus TPX guarantees a seamless, lag-free experience. The series uses SDVoE technology for reliable signal transmission, enabling organizations to create more **flexible and scalable** AV infrastructures without worrying about distance limitations.

## USB-C CONNECTIVITY AND FLEXIBILITY

As a modern solution, the Taurus TPX series is designed with **flexibility and user convenience** in mind. It features **USB-C connectivity**, which has quickly become the go-to standard for many devices due to its ability to support audio, video, data transfer, and charging all through a single cable. With Taurus TPX, users can easily connect their laptops, tablets, or other devices to the system using one cable, simplifying the setup and minimizing clutter in busy meeting spaces or classrooms.

The USB-C connection allows users to share content effortlessly from any device, regardless of the platform. Whether you're using a Mac, PC, or other USB-C-enabled device, Taurus TPX makes it easy to integrate and present content without having to switch between multiple adapters or worry about compatibility issues. This makes it a great solution for dynamic, **multi-use environments** where a variety of devices are frequently in play.

## UNRIValed SOLUTION FOR MEDIUM TO LARGE-SIZED MEETING ROOMS

The transmitter and receiver are seamlessly connected using a single CAT cable, utilizing the **SDVoE signal** to establish a smooth transition between the two. These market-leading devices allow users to extend USB-C signals over longer distances, empowering system architects with **more flexibility** for designing medium or large-sized meeting rooms.

This versatility is one of the TPX's strongest features, enabling the device to adapt to a wide range of professional environments. In corporate settings, the need for high-quality video conferencing, long-distance presentations, and seamless collaboration between in-person and remote participants is a given. Taurus TPX not only provides the **robust connectivity** needed for hybrid meetings but also offers the scalability to support larger spaces like boardrooms or training facilities.

In educational environments, where lecture halls or auditoriums often require high-quality AV setups for presentations and interactive lessons, Taurus TPX ensures that content is consistently delivered in **high resolution**, even across long distances.

## ADVANCED SECURITY AND STABILITY

In any professional environment, data security is a priority. Similar to the Taurus UCX, the Taurus TPX series addresses this concern by incorporating enterprise-level NIST FIPS\* 140-2 certified cryptography. This advanced cryptographic module ensures that content sharing is secure, preventing unauthorized access to sensitive information.

\*FIPS is available in the US or by special order. This is not a default feature.



## CONNECT EFFORTLESSLY WITH LARA

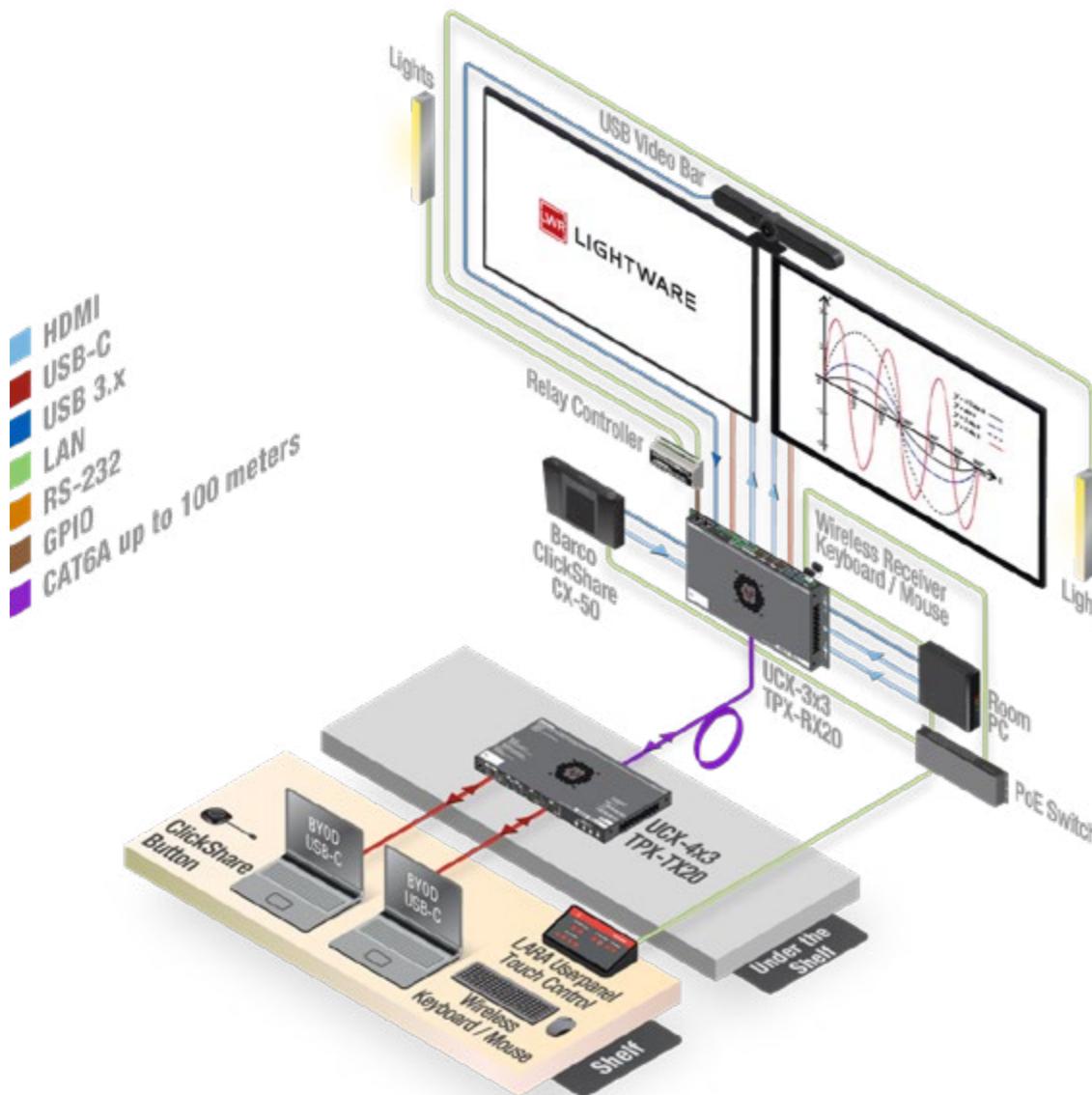
Lightware Advanced Room Automation (LARA) is an essential tool designed to simplify room control and automation in meeting spaces. Through the use of open source modules, it enables easy integration of third-party devices into any AV system without the need to install a dedicated control processor.

LARA comes pre-installed on all Taurus products, simplifying the setup and operation of meeting rooms while enhancing the user experience by offering easy control over the entire AV environment. This makes it an invaluable tool for creating flexible and user-friendly meeting spaces.

## FUTURE-PROOF DESIGN

As technology continues to evolve, so do the demands for more advanced and efficient AV solutions. The Taurus TPX is built with a **future-proof design** that ensures it will continue to meet the needs of organizations for years to come. Its support for 4K HDR or 5K video, scalable connectivity options, and integration with modern communication platforms make it a long-term investment that adapts to the changing landscape of AV technology.

**The Taurus TPX series from Lightware sets a new standard for long-distance AV signal transmission, offering a powerful, flexible, and secure solution for organizations that require top-tier connectivity and collaboration tools.**



## TAURUS TPX VARIANTS

- UCX-4x3-TPX-TX20
- UCX-4x3-TPX-TX30-R (Rack-mountable)
- UCX-2x1-TPX-TX20
- UCX-3x3-TPX-RX20
- HDMI-UCX-TPX-RX107
- TPX-4x3-TX20-RX107 bundle
- TPX-2x1-TX20-RX107 bundle
- TPX-2x1-TX20-3x3-RX20 bundle

		Transmitters		Receivers	
		UCX-2x1-TPX-TX20	UCX-4x3-TPX-TX20	UCX-3x3-TPX-RX20	HDMI-UCX-TPX-RX107
AV connectors	HDMI input	✓ (1x)	✓ (2x)	✓ (2x)	✗
	Full-featured USB-C input	✓ (1x)	✓ (2x)	✗	✗
	SDVoE input	✗	✗	✓ (1x)	✓ (1x)
	SDVoE output	✓ (1x)	✓ (1x)	✗	✗
	Local HDMI output	✗	✓ (2x)	✗	✗
	HDMI Output	✗	✗	✓ (3x)	✓ (1x)
	Analog audio output	✓	✓	✓	✓
	USB-C	✗	✗	✗	N/A
	USB-B	✓ (1x)	✓ (2x)	✓ (2x)	N/A
	USB-C	✗	✗	✗	✗
Powering	USB Data ports	Upstream facing (for host device)	Audio		
	Peripheral ports				
	24V local	✓		✗	✗
	12V local	✗	✗	✓	✓
Interface ports	Power connectors		PoE PSE	PoE PSE	✗
	Remote power capability				PoE PD
Dimensions	PD (Power Delivery) charging over USB-C		✓ Max 100W	Max 100W/port; 120W altogether	✗
	Control ports		Ethernet	✓ (3x)	✓ (3x)
	RS-232			✓ (1x)	✓ (2x)
	GPIO			✓	✓
Dimensions	OCS		✗	✗	✓
					✓
			Wider than Half rack; Half U high	Wider than Half rack; Half U high	Wider than Half rack; Half U high



## UC-OVER-IP ECOSYSTEM WITH CENTRALIZED MANAGEMENT

The Taurus TPN ecosystem evolves beyond traditional AV-over-IP. Powered by SDVoE technology, Taurus UCX-TPN and HDMI-TPN and OPTN devices create dynamic, flexible media-over-IP matrices for medium to large meeting spaces. With the introduction of the TPN MMU, every endpoint, USB routing layer and device configuration becomes centrally managed through a single, intuitive interface, making large deployments faster, simpler and more reliable than ever.

### KEY FEATURES

Full-featured USB-C and SDVoE extension up to 100 meters



HDMI 2.0 4K60 4:4:4 or 5K30 4:4:4 over 10G

### ENHANCE USB EXTENSION CAPABILITIES

The Taurus TPN is designed to **enhance USB extension capabilities**, supporting complex, large or asymmetric configurations (e.g. 8 TX, 2 RX). Its main benefits include:

- Extending USB connectivity over IP networks, enabling remote access and management of connected devices
- Simplifying cabling requirements, which reduces setup complexity and cost
- Ensures high reliability and low latency in data transmission, crucial for professional AV environments where timing and synchronicity are key.

This solution is useful for **large venues or multi-room setups**, promoting streamlined AV operations.

### HIGH-QUALITY AUDIO, VIDEO AND DATA DISTRIBUTION

Supporting up to 4K60 4:4:4 video resolution and full bandwidth USB 2.0 transmission over 10G Ethernet networks, the Taurus TPN ensures **high-quality audio, video, and data distribution**. Its seamless handling of HDMI 2.0 signals sets new standards in media delivery, while advanced USB extension technologies facilitate independent device-to-host pairing.

USB 2.0 matrix switching layer

Seamless media-over-IP switching



ISE 2025 - Best of Show: AV Technology Winner



ProAV Awards 2024: Best in Market - AV Technology category: Taurus TPN



InfoComm US 2024: Best of Show - Taurus TPN

### TRANSFORMING TPN INTO A FULLY MANAGED ECOSYSTEM

While the Taurus TPN has long provided a dependable 10G AV-over-IP foundation, the **introduction of the TPN MMU (Matrix Management Unit)** **elevates the ecosystem to the next level**. USB, HDMI, Audio and control signals are all supervised from a single interface, creating a fully managed architecture that is easier to configure, monitor and scale especially for integrators and IT administrators.



When the Lightware TPN MMU is included in the system:

- With its built-in device discovery feature and professional network management tools, the application ensures that system installation is both fast and error-free.
- Configuration takes much less time: you can apply settings to multiple devices at once.
- Crosspoint routing (video, audio and USB signals) is simple and visual. (In the first release, USB and audio will follow the video routing.)
- The MMU connects AV and IT environments, making it easy and secure to deploy the system on both AV and corporate networks.

### WHAT THE MMU BRINGS TO THE TPN ECOSYSTEM



#### 1 - Unified Device Discovery

Automatically identifies every SDVoE endpoint across the 10G network, enabling instant system visibility.

#### 2 - Rapid, One-Click Configuration

Guided workflows and presets accelerate installation, reduce commissioning time, and ensure consistent setup across large deployments.

#### 3 - Predictable & Consistent System Behavior

Uniform configuration across TX/RX devices eliminates drift, minimizes errors and lowers support overhead.

#### 4 - Intuitive Multi-Signal Routing Interface

A clean visual crosspoint UI for creating and modifying video, audio, USB, serial and control routes.

#### 5 - Advanced Per-Endpoint Controls

Fine-tune scaler settings, RS-232 injection, EDID rules, and device-level parameters from a single interface.

#### 6 - System-Wide Alias, Naming & Zone Management

Organize endpoints into logical groups, zones or room structures for multi-room and campus-scale deployments.

#### 7 - Enterprise-Grade Monitoring & Diagnostics

Status dashboards, topology visualization, error checks and signal monitoring provide proactive system oversight.

#### 8 - Scalable Architecture for Large Deployments

Engineered to support installations ranging from small rooms to hundreds of endpoints with stable, reliable performance.

### TPN MMU - COMPATIBLE WITH ALL TPN PRODUCTS:

- UCX-2x1-TPN-TX20
- UCX-4x3-TPN-TX20 / TX30
- HDMI-TPN-RX107





## WHICH TAURUS IS RIGHT FOR YOU?

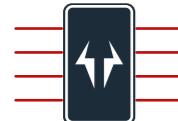


Presenter is within a standard display cable length

1 or 2 screens side by side

1 input location

USB devices and USB host switching are in one location

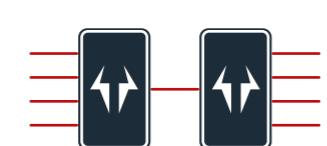


Presenter(s) are up to 100m from the display

1 or 2 screens side by side

1 input location

USB devices at TX/RX or USB extender;  
USB host switching is between TX and RX

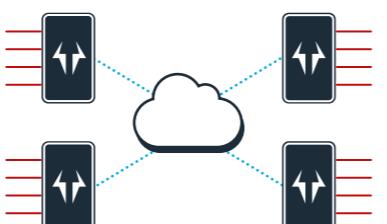


Multiple presentation locations in the room potentially exceeding 100m

Multiple screens anywhere in the room(s)

Multiple input locations

USB devices at any endpoint or USB extender  
USB host switching at any end point



## LARA: SEAMLESS INTEGRATION FOR SMART SPACES

The entire Taurus line is built with Lightware's management and monitoring software, LARA (Lightware Advanced Room Automation), which allows IT teams and systems integrators to oversee and manage the performance of their AV systems remotely.



LARA is an essential tool designed for the **efficient management and control of AV setups** in meeting rooms. It enables seamless integration of third-party devices with Lightware products by leveraging Lightware's open API. This interoperability with leading integration partners, including **Lenovo, Sennheiser, Cisco, Barco, Microsoft Teams and Google Meet** allows and more, allows users to customize their AV systems, ensuring that various components can communicate and function together effectively.

LARA's vision is to provide a **future-proof room automation platform** for system integrators so they can seamlessly and effectively support people's virtual or in-person collaboration. This provides greater control over the AV infrastructure, enabling organizations to troubleshoot and optimize their setups with ease.

LARA's features allow systems integrators to create room automation effortlessly:

- Without deep programming knowledge thanks to continuously expanding pre-written driver module-set
- By writing modules and configurations in JavaScript
- By mixing the two approaches – some of the configuration is done with wizards and templates, some by programming



OPEN APPROACH



READINESS TO USE



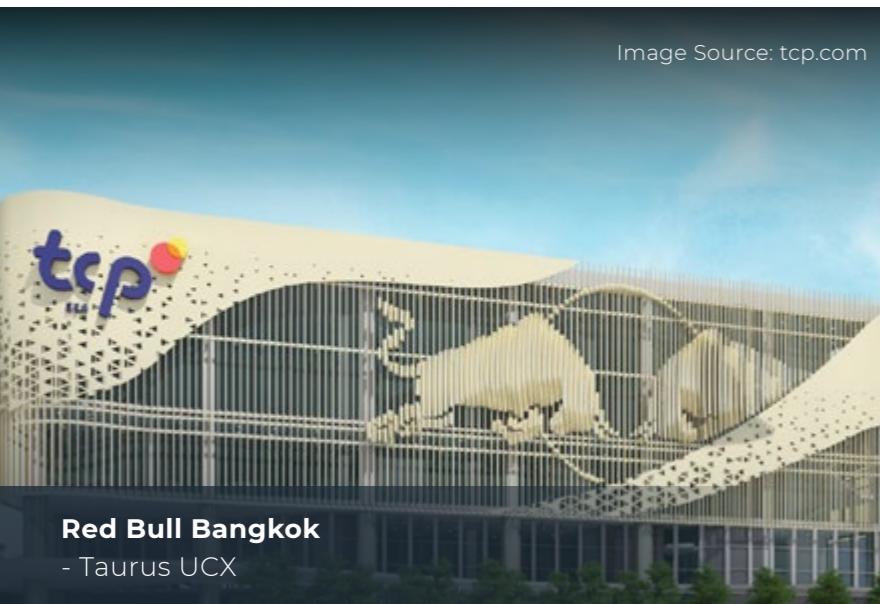
NO NEED FOR EXTERNAL CONTROLLER



## Meet LARA Wizard

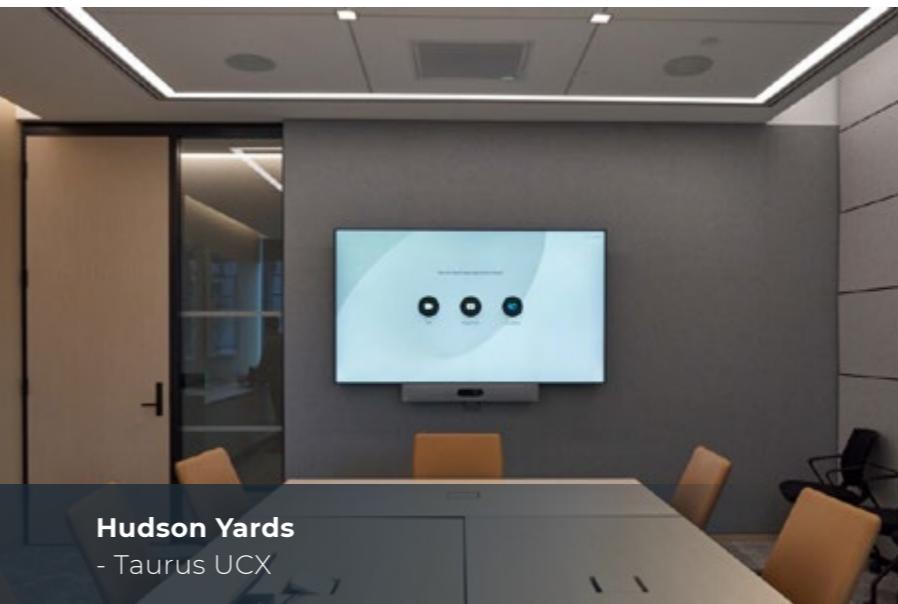
CREATE, CUSTOMIZE, DEPLOY – IT'S THAT SIMPLE

LARA (Lightware Room Automation) **Wizard streamlines the entire process of building room automation** setups. By answering a few guided questions, users can define the room type and requirements, and **the wizard instantly generates the needed configuration file ready to upload to any compatible Lightware device such as UCX or MMX2**. It is ideal for AV users, IT admins, and integrators who want **reliable room control without writing a single line of code**. The wizard walks you through key decisions, predefined device selections and outputs a working configuration in minutes which could be fine-tuned later.



### RED BULL BANGKOK OPTIMIZES MEETING PRODUCTIVITY WITH LIGHTWARE'S TAURUS UCX

The head office of Red Bull, in Thailand refreshed its meeting rooms' technology to place TAURUS UCX universal switcher to benefit from the USB-C connectivity across its workspace.



### TAURUS UCX ENHANCES COLLABORATION AT HUDSON YARDS

A-V Services selects Lightware Visual Engineering's Taurus UCX to enhance collaboration for investment management firms new Hudson Yards headquarters, enabling users to share their content easily, switch hosts and control their meeting room intuitively.

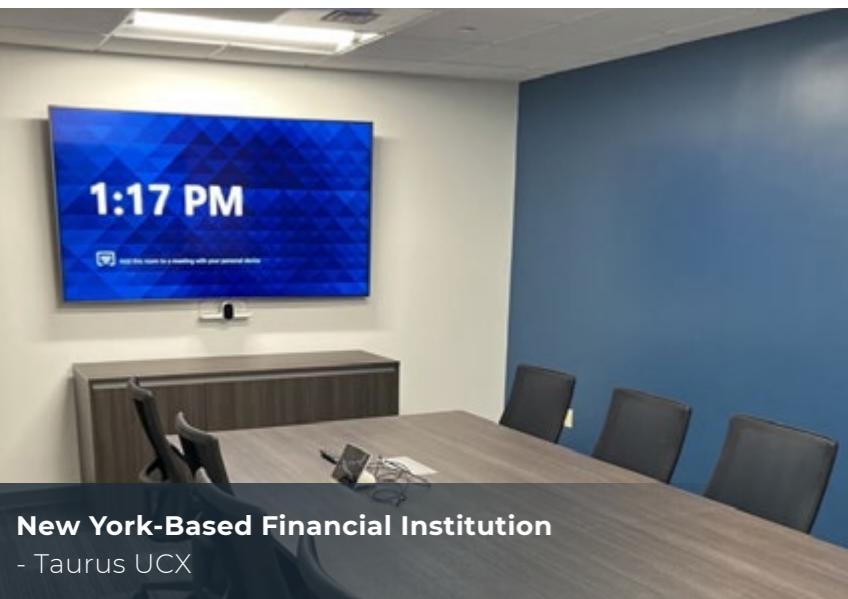
### TATESIDE TRUSTS IN TAURUS UCX TO POWER SMART MEETING SPACES AT LANDMARK OFFICES

London-based integrator champions USB-C solutions at Halkin's King William Street workspace. Leveraging Lightware's technology, the solution offered a user-friendly BYOM platform for hosting a variety of meetings, presentations, and collaborative sessions for users with any level of technical experience.



### LUDWIGSHAFEN UNIVERSITY OF APPLIED SCIENCES APPLIES TAURUS TPX BUNDLES

The University recently upgraded its seminar rooms with a new level of media technology, equipping them with Lightware's innovative Taurus TPX Matrix Switcher Bundles. These advanced products enable enhanced signal switching and offer discreet flexible connection options, especially with the integrated USB-C connection.



### TAURUS UCX DEPLOYED IN A NEW YORK-BASED FINANCIAL INSTITUTION

RoomReady selects Lightware's Taurus UCX to promote interoperability with Poly- and Windows-based system across hundreds of meeting rooms nationwide.



### UNIVERSITY OF SHARJAH DEPLOYED 170 UNITS OF TAURUS UCX

The University of Sharjah uses TAURUS UCX in its classrooms and in its outstanding e-courts at the Department of Law. 170 units of TAURUS UCX were installed jointly by IT specialists of the University and their contractor in just 4 weeks, proving its outstanding ease of deployment.

## TESTIMONIALS

**"Taurus UCX streamlines USB-C to HDMI connectivity. It's incredibly helpful for BYOM applications."**

- Vincent Bruno, Vice President of Sales & Marketing at A-V Services.

**"To me, Taurus UCX offers something unique, with good built-in control and automation available from LARA, as well as the physical UI of the two USB-C inputs allowing for plug-and-play functionality, the latter being the key point we needed to achieve."**

- Jack Cornish, Technical Director at Tateside.

**"There is no other switcher like this, at least not another one-box solution. It does what it does really well. It's not comparable to anything else on the market."**

- Paul van Venrooij, AV Support Engineer at Tilburg University.

**"As an engineer, what I particularly like about the Lightware Taurus TPX is that the system is extremely easy to install. Thanks to the USB-C functionality and the HDMI option with USB auto-detection, it is flexible for use in almost any setup."**

- Peter Heidemann, Information Electronics Engineer and Media Technician at Ludwigshafen University

**"RoomReady deployed Taurus UCX because of the simplicity of installation and user experience for a New York-based financial institution. Taurus UCX streamlines USB-C to HDMI connectivity, and its robust functionality, has been key to a longstanding successful technology partnership."**

- Izzi Demara at RoomReady and Media Technician at Ludwigshafen University

**"We had zero issues with Lightware's Taurus UCX hardware. It was absolutely bullet-proof!"**

- Stuart Harris, Technical Sales Manager of GVAV

## THE PERFECT CHOICE FOR



Workstations



Meeting Rooms



Boardrooms



Conference Rooms



Discover Lightware Academy, our new training platform, master the art of the AV market and stay ahead of the competition. Choose the course that matches your level and start your learning journey today.



Learn More:  
[academy.lightware.com](http://academy.lightware.com)



# CABLES

## LIGHTWARE CABLES

### CONNECTIVITY MEETS PRECISION



At Lightware, we understand that cables are the backbone of any robust AV system. As the bridge between devices, they play a pivotal role in ensuring seamless and reliable data transmission. Explore our range of meticulously crafted cables, designed to meet the ever-evolving demands of the audio-visual industry.

### OUR CABLES



#### USB-C Cables

USB-C technology was developed to streamline signal transmission, offering users unprecedented speeds, effortless connectivity, and practical features.



#### HDMI Cables

Unleash the full potential of your 4K and 5K displays with our high-speed HDMI cables, delivering crystal-clear images and immersive audio.



#### Converter Cables

Lightware's USB-C to HDMI option provides driver-free 4K@60Hz (4:4:4) output from devices lacking native HDMI ports, while USB Type-A to Type-C cables deliver 5 Gbps performance for demanding peripherals like 4K cameras.



#### EXTEND YOUR REACH AND POWER UP YOUR DEVICE: USBC-BOOSTER-V1

##### RELIABLE MEDIUM-DISTANCE USB-C EXTENSION WITH 100W CHARGING

Lightware's new USBC-BOOSTER-V1 is a compact, plug-and-play device which includes an active inline device engineered to **boost, equalize, and power long USB-C runs**, even a 7 meter-long USB-C cable, a power cable and 4 C-locks, so you can fix and attach every cable endpoint properly. Sitting invisibly between two cables, the BOOSTER regenerates both the **data and video signal paths**, while its internal power supply delivers stable **100 W charging** to connected BYOD laptops and hosts.

## WE ARE GREEN FOR THE SAKE OF THE GLOBE'S SUSTAINABLE FUTURE

**Lightware is committed** to managing all operations and services in an environmentally responsible manner and employing methods and policies to contribute **to environmental sustainability**.

We aim at **preventing and minimizing pollution from manufacturing, packaging, and daily operation** and constantly review our activities and **set goals to reduce** our impact on the environment. We pay attention to monitoring, evaluating, and refining our energy consumption and waste management.

**Employees are encouraged to minimize paper waste:** where possible, all administrative **documents are emailed rather than printed & posted**, incoming faxes are diverted to email while unavoidable paper waste is recycled. When it is absolutely necessary to print, **we use recycled paper in the printers** and copiers and print in eco mode to save ink and energy. Empty print cartridges and toners are collected, treated and when possible, recycled by a contracted service.

In developing our products, we take sustainability very seriously. **We design, develop, and assemble Lightware prototypes in Budapest and so reduce our carbon footprint on transportations.**

We consciously do not overdesign our products and so **reduce colorful but chemical painting**. Neither do we practice garish and heavy design of our packaging.

**We strive to make our packaging smart using every inch of the inner space of each cardboard**, packing up crates, and containers effectively. We always use **recycled paper for the packaging** and have minimum plastic inside.

We have **consciously reduced accessories to accompany master products** to reduce the amount of wiring that is likely to be excessive and so wasted away.

**Our offices incorporate energy-efficient lighting systems** and our air-conditioning infrastructure is regularly maintained by professional technicians. When a lighting tube or bulb goes out, we always change it to an LED-based solution.

**We participate regularly in Corporate Social Responsibility (CSR) events and actions.** Besides ad hoc events, the Lightware team cleans a designated area of trash in the city on the annual 'Clean-Up Day', under the Let's Clean Up Europe initiative. [www.ewwr.eu/take-part/#LCUE](http://www.ewwr.eu/take-part/#LCUE)



We are proud to announce that Lightware has successfully obtained the **EcoVadis sustainability bronze certification in 2024!**

EcoVadis is a sustainability assessment platform for companies, which helps in measuring and improving their sustainability performance.

**They evaluate various aspects, such as the following:**

- Environment
- Labor & Human Rights
- Ethics
- Sustainable procurement

This achievement underscores Lightware's commitment to sustainable business practices and our contribution to building a sustainable future.



**Contact us!**



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[www.lightware.com](http://www.lightware.com)