



UCX-4x2-HC30

visual engineering
LIGHTWARE

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.



UCX-4x2-HC30



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 | |
| | | | | |
| | 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 |