



# UBEX R-TYPE

The new **UBEX-Pro20-HDMI-R100** R-type doesn't only inherit the widely renowned features of the UBEX product family in full, but also introduces a wealth of rental-specific capabilities when it comes to seamlessly install and operate a versatile AV-over-IP system for any rental and staging application.

The system allows uncompressed 4K UHD@60Hz 4:4:4 signal extension with latency-free multi-streaming over 10G Ethernet networks and features full end-to-end redundancy, making this unique device Lightware's unrivalled solution for the challenges faced by professionals across the rental and broadcasting industries.

## Features

- Uncompressed HDMI 2.0 4K UHD@60Hz 4:4:4 signal extension up to 18Gbps data rate
- Latency-free multi-streaming over 10G Ethernet network allowing multiple video transmission on a single optical fiber link
- Maximum reachable distance is in the range of 400m up to 80km depending on single-mode or multimode application
- Fully non-blocking switching architecture
- HDCP 2.2 and HDCP 1.4 compliant with cross conversion capabilities
- HDR10 and Dolby Vision support
- Advanced EDID management
- Versatile operation modes: dual channel 4K transmitter or receiver or simultaneous transceiver mode
- Front panel jog dial push button, color display and feedback LEDs
- Perfect Video Sync – Source Locked mode for ultra-low latency and Free Run mode for fast switching
- Videowall processing to easily configure layouts

## R-TYPE

### Rental – Robust – Redundant

Introducing R-type product variants, Lightware's unique solution offering unrivalled **rental versatility in a more robust and exceptionally redundant edition.**

## Rental-specific Features

- Full end-to-end redundancy
- Interchangeable, reinforced SFP+ module connector with removable protective cover to easily change between single-mode and multimode modules
- Neutrik® OpticalCON, Neutrik® EtherCON and Neutrik® PowerCON connectors for enhanced durability
- HDMI ports with flange
- Standard M10 threads on side and top for safe and secure mounting on truss assemblies
- Mounting ears and loops for secondary safety clamps
- Exchangeable cooling air filter inlay



# THE SHOW MUST GO ON...

## Introducing Full End-to-End **Redundancy**

**Source redundancy** at the two HDMI inputs when the device operates in TX mode.

**Sink redundancy** at the two HDMI outputs during operation in RX mode.

**Optical link redundancy** since the signal is evenly distributed between the two links, if any of these fail, the stream seamlessly continues through the remaining active link.

**Switch redundancy** is an option derived from optical link redundancy; in applications where the two 10G links are both connected to two separate switches, should any of these switches fail the stream continues seamlessly through the remaining 10G link.

### UBEX-Pro20-HDMI-R100



Product Name	SFP+ Module Installed	Optical Connector(s)	Ethernet Port for Control	Power Connector
2xMM-2xDUO	2x10G SFP+ multimode	2x Neutrik OpticalCON DUO	1x Neutrik EtherCON	Neutrik PowerCON True 1
2xSM-2xDUO	2x10G SFP+ singlemode	2x Neutrik OpticalCON DUO	1x Neutrik EtherCON	
2xMM-QUAD	2x10G SFP+ multimode	1x Neutrik OpticalCON QUAD	2x Neutrik EtherCON	
2xSM-QUAD	2x10G SFP+ singlemode	1x Neutrik OpticalCON QUAD	2x Neutrik EtherCON	
2xSM-BiDi-DUO	2x10G BiDi SFP+ singlemode	1x Neutrik OpticalCON DUO	1x Neutrik EtherCON	



BiDi SFP Module



Common SFP Module



Neutrik Powercon True1



Neutrik OpticalCON DUO



Neutrik OpticalCON QUAD



Neutrik EtherCON