

## QLST Studio Audio Codec

Stationary Single Stereo IP codec

### OVERVIEW

QLST is the studio unit designed to accompany Prodys' smallest codec, **Quantum Lite**. QLST is a half-rack unit device that complements the operation of the Quantum Lite unit, allowing reconstruction and decoding of the transmitted audio signal. Equally, any member of the Quantum family can be connected to a QLST.

This equipment can be controlled via its embedded graphical web interface, its touch panel connectable to the front panel or the ProdysControlPlus application.



### SPECIFICATIONS

*Specifications and designs are subject to change without notice.*

#### AUDIO SPECIFICATIONS

**AUDIO INPUTS** ● 1 analogue and digital stereo input (configurable) with XLR connectors.

**AUDIO OUTPUTS** ● 1 analogue and digital stereo output (configurable) with XLR connectors.

**COMPRESSION ALGORITHMS**

- Enhanced apt-X
- OPUS
- G722 (optional)
- MPEG Layer 2 (optional)

#### OPERATIONAL FEATURES

**CONTROL**

- Local control via web browser
- Detachable Touch Panel (optional)
- ProdysControlPlus (optional)
- Configurable user access
- Presets, Profiles and Alarms

**DIMENSIONS AND WEIGHT**

- L x W x H: 210 x 42 x 173 mm
- Weight: 500 g
- 19" rack adaptor available

#### COMMUNICATIONS SPECIFICATIONS

**IP PROTOCOL**

- Full TCP/UDP/IP connectivity
- Unicast IP Audio Transmission/reception
- SIP/SDP/RTP/STUN according to N/Acip EBU Tech 3326 & 3368 (optional)
- FEC and active loss packets recovery.
- Automatic Jitter Buffer to avoid audio losses
- SIP Diversity with two IP interfaces (optional)

**OPERATION**

- Bonding or Diversity with 2 interfaces for a reliable audio transmission with proprietary protocol BRAVE.
- One stereo or two mono (optional) communications

**ETHERNET**

- 2 10/100/1000 BaseTx Ethernet ports (RJ45 connectors)

**USB**

- 2 USB port for memory devices connection (audio file reception)

