

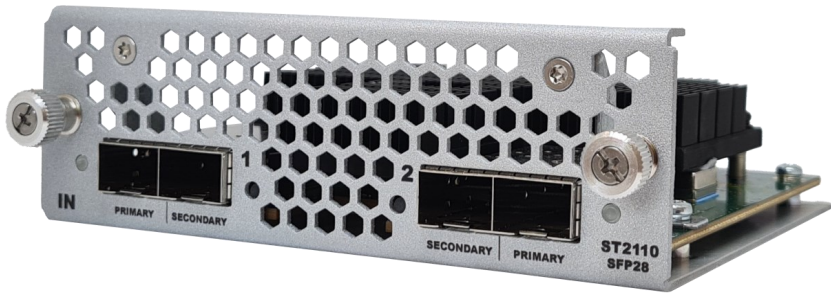
SMPTE 2110 input card

for Aquilon series

Ref. ACC-AQL-IN-2110



Field swappable high performance ST2110 input card for Aquilon series designed to de-encapsulate up to 4x UHD60 streams from uncompressed ST 2110 IP networks



*SFP28 modules sold separately

SMPTE 2110-20

NMOS IS-04 IS-05

PTP

2160p60 4:2:2 10-bit

4x 25GbE SFP28

HDR

Overview

The **ACC-AQL-IN-2110** card is a high-performance SMPTE 2110 input card, designed to work with any **Aquilon** live presentation switcher. Equipped with 2x 25GbE primary and 2x 25GbE secondary SFP28 ports to be used directly with 25GbE switches and routers, it can de-encapsulate up to 4x 2160p60 or 8x 1080p60 streams from uncompressed ST 2110-20 IP networks.

Key features

- ▶ SMPTE 2110-20 receiver card
- ▶ Requires firmware version 5.0 or above
- ▶ 2x 25GbE primary network connectors, each supporting up to 4x video streams with audio
- ▶ 2x 25GbE secondary network connectors for ST 2022-7 redundancy
- ▶ Supports any video formats up to 4K60 10-bit 4:2:2
- ▶ Supports NMOS IS-04 and NMOS IS-05
- ▶ PTP synchronization
- ▶ HDR compliant with HDR10 and HLG
- ▶ Supports up to 8 embedded audio channels (PCM) per stream (available in a version ulterior to v5.0)
- ▶ Connector status LEDs for easy troubleshooting
- ▶ Field-swappable card (not hot-swappable)

Technical Specifications

- Four SFP28 input ports (2x primaries, 2x secondaries) - Up to 25 Gbps bandwidth per port
- Support of ST 2110-20 uncompressed active video over managed IP network
- Support of up to four 4K60 or eight 2K60 10-bit 4:2:2 input streams
- Support of PTP synchronization requiring external PTP grandmaster
- Support of NMOS IS-04 for discovery and registration
- Support of NMOS IS-05 for device connection management
- Easy connection configuration based on SDP file
- Support of up to 8 audio channels per UHD/4K video stream or up to 4 audio channels per FHD/2K video stream
- Supports BT.709 and BT.2020 color spaces

Dimensions

- ▶ W 5.10" x H 1.66" x D 5.80"
- ▶ L 129.7 mm x H 42.3 mm x P 147.4 mm

Weight without accessories

- ▶ 0.365 kg / 0.80 lbs

Shipping weight accessories included

- ▶ TBD

Operating conditions

- ▶ Temperature: 0 to 40°C (32 to 104°F)
- ▶ Humidity: 10% to 80%, non-condensing

Warranty

- ▶ 3-year warranty on parts and labor back to factory
- ▶ Broken connectors are not covered by warranty

Power supply

- ▶ Powered from Aquilon switcher

Safety Compliance

- ▶ IEC/UL/EN 62368-1
- ▶ CSA22.2#62368-1
- ▶ (UL Listed E359143)



TAA Compliance: This product is manufactured in France, a TAA-designated country, and is fully compliant with the Trade Agreements Act (17 U.S.C. & 2501-2581).