

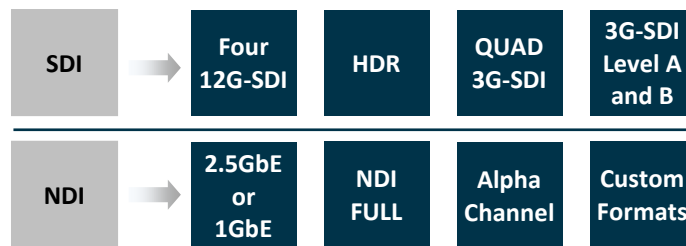
Hybrid 2.5GbE / 12G-SDI input card for Aquilon series

Ref. ACC-AQL-IN-IP-SDI



ANALOG WAY®

Field swappable input card for Aquilon series with four 12G-SDI ports and one NDI-enabled 2.5GbE port



Overview

The Analog Way **ACC-AQL-IN-IP-SDI** input card comes equipped with four 12G-SDI ports and a 2.5GbE network connector. Compatible with any **Aquilon** live presentation switcher, it allows you to accommodate up to four NDI 'Full Bandwidth' sources in parallel over one single network cable, or four 12G-SDI sources, or any combination NDI and SDI (up to 4). In addition to supporting 8 audio channels for each input source (SDI or NDI), this card supports custom NDI formats such as 8K x 1K. Most importantly, the **ACC-AQL-IN-IP-SDI** input card allows direct decoding of NDI streams with alpha channel which eliminates the need for input and layer masks on your Aquilon. This feature makes this card the perfect match for advanced NDI graphics tools like SPX available on all Picturall media servers.

Key features

- ▶ Four inputs to choose from 12G-SDI and NDI Full signals as needed
- ▶ One 2.5GbE network connector supporting up to four NDI Full streams
- ▶ Four 12G-SDI input ports supporting formats up to 4K60 4:2:2
- ▶ Supports 4K60 input as single, double or quad ports (four quadrant 3G-SDI or 4x 3G-SDI 2SI)
- ▶ High Frame Rate up to 120Hz
- ▶ HDR compliant with HDR10 and HLG (SDI only)
- ▶ Supports up to 8 embedded audio channels per input (PCM)
- ▶ Connector status LEDs for easy troubleshooting
- ▶ Field-swappable card (not hot-swappable)

TYPICAL NDI DECODING PERFORMANCES (with audio)

With 2.5GbE network (TCP)

- Up to 4x 1080p60 8-bit 4:2:2 with alpha channel
- Up to 3x 2160p60 8-bit 4:2:0
- Up to 2x 2160p60 8-bit 4:2:0 + 2x 1080p60 8-bit 4:2:2
- Up to 4x 2160p30 8-bit 4:2:2
- Up to 3x 2160p30 8-bit 4:2:2 with alpha channel

With 1GbE network (TCP)

- Up to 4x 1080p60 8-bit 4:2:2
- Up to 3x 1080p60 8-bit 4:2:2 with alpha channel
- Up to 2x 2160p60 8-bit 4:2:0 + 1x 1080p60 8-bit 4:2:2
- Up to 3x 2160p30 8-bit 4:2:2 with alpha channel

12-SDI Technical Specifications

Four 12G-SDI input ports – up to 12Gbps bandwidth per port

10-bit formats up to:

- 4K60 4:2:2
- 4K30 4:4:4

Also compatible with:

- SD-SDI
- HD-SDI
- 3G-SDI (Level A and B)
- 6G-SDI
- 4 x 3G-SDI 2SI

Supports BT.709 and BT.2020 color spaces

Supports up to 8 audio channels per port

NDI Technical Specifications

2.5GbE or 1GbE connectivity (compatible with multi-gigabit switches)

Supports Full-Bandwidth NDI v5 (not compatible with NDI HX)

Supports 8-bit formats up to 2160p30 4:2:2 or 2160p60 4:2:0

Supports SHQ0, SHQ2 and SHQ7 codecs

Supports alpha channel

Supports custom resolutions up to 8192 pixel width / 8192 line height

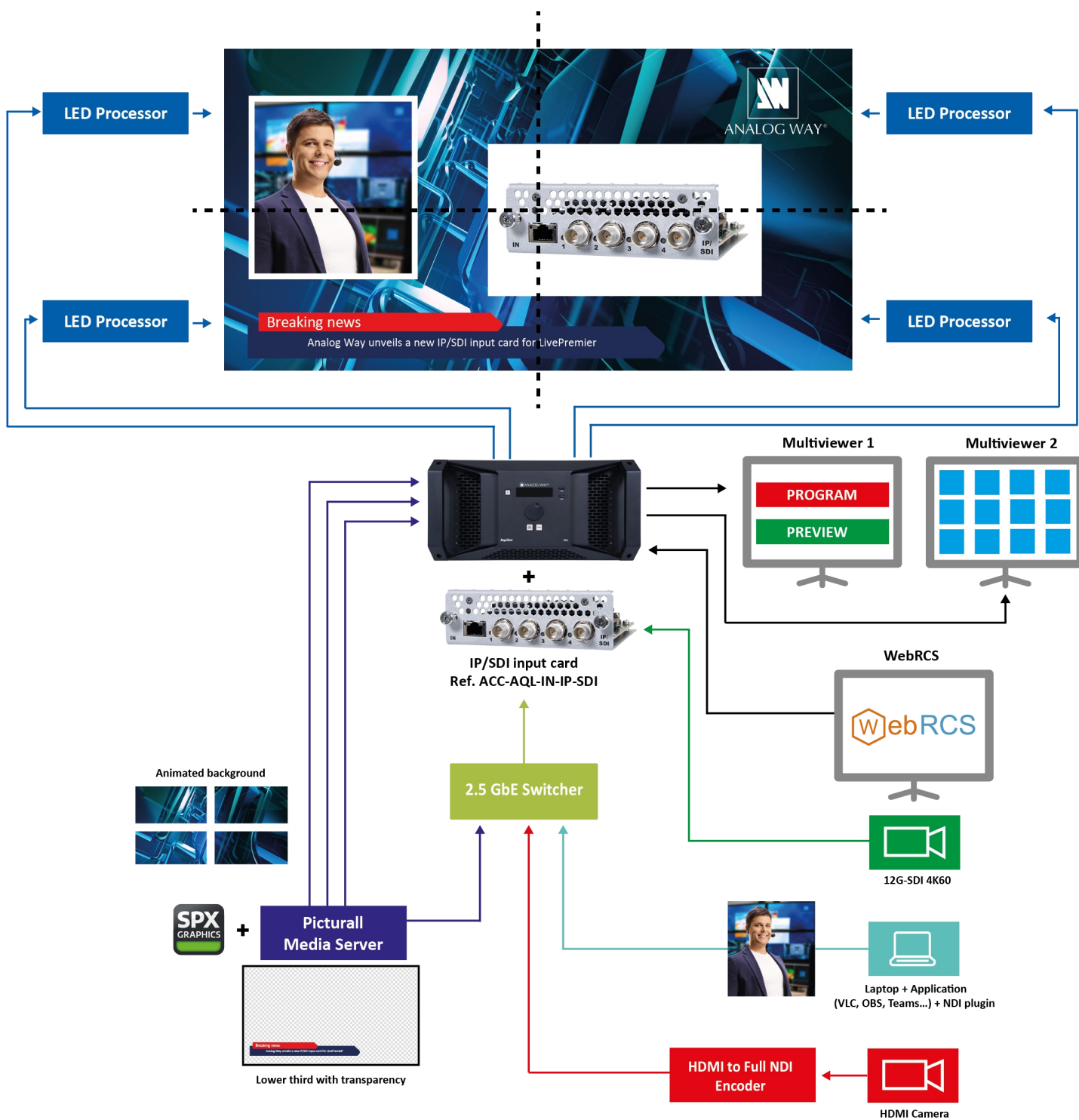
Supports high frame rates up to 120Hz

Supports BT.709 color space

Supports up to 8 audio channels per stream

Hybrid 2.5GbE / 12G-SDI input card for Aquilon series

Aquilon equipped with an ACC-AQL-IN-IP-SDI card configured as three NDI inputs and one 12G-SDI input



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

- ▶ 0.40 kg / 0.88 lbs

Shipping weight accessories included

- ▶ 0.59kg / 1.30 lbs

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).