

SAM-Q-NET

NEW

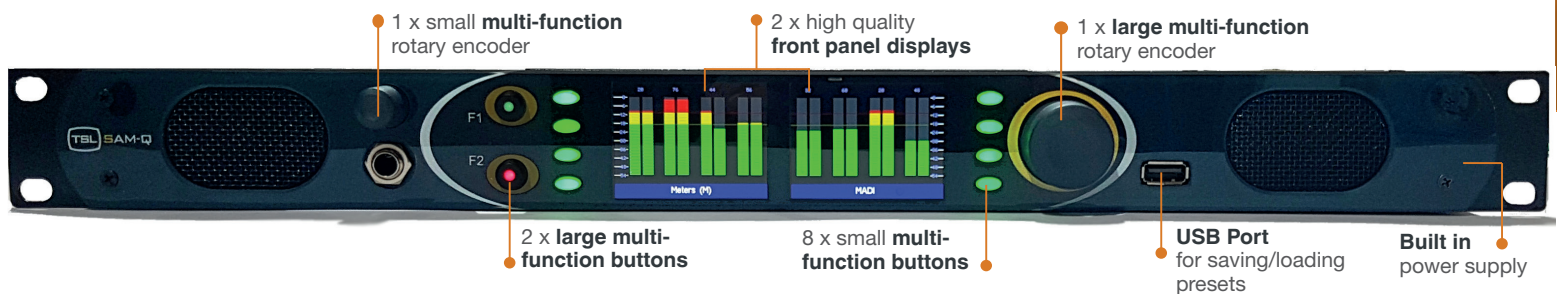
SAM-Q-NET is the worlds first dedicated network audio monitor, bringing the benefits of the SAM-Q platform to broadcast IP networks, with support for ST 2110-30, ST 2022-7, AES67 and NMOS.

SAM-Q-NET features onboard redundant 1G Ethernet connectivity, enabling vastly reduced deployment cost for audio specific installations.

Support for ST 2022-7 stream redundancy provides peace-of-mind for mission critical networks, whilst native NMOS support and a TSL RESTful API provide compatibility with all leading control systems.

The SAM-Q range of audio monitors from TSL are unique in their ability to allow you to tailor their operation to the environment in which they will be used. Supporting a number of operational modes which can be enabled and disabled as required, the SAM-Q is equally at home in operational positions in studio facilities to OB trucks, master control positions and playout facilities.

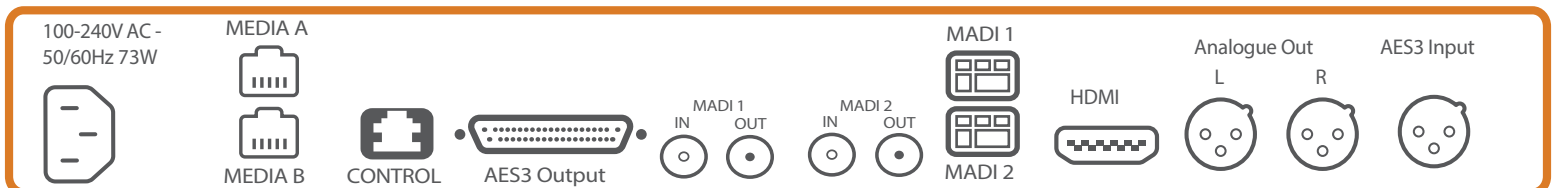
SAM-Q-NET is a remote engineering solution, offering remote configuration and operation from any location. With a range of modes, the SAM-Q can easily be configured to meet the usage requirements and skill level across any application, with lockable menu access to ensure that the configuration isn't unintentionally changed.



FEATURES

- Support for ST 2110-30 Level A, B and C (1ms and 125µs packet time, stream size up to 64 channels)
- ST 2022-7 compliant redundant 1G Ethernet connectivity for media networks
- Support for NMOS IS-04, IS-05 and the TSL RESTful API for in-band and out-of-band integration with TSL control and leading third party systems
- Up to 8 independent mixes provide instant recall of routing configurations, providing maximum coverage of input sources when required
- Simultaneously monitor multiple signal formats in hybrid environments
- Initially supporting up to 64 channels of audio over IP
- A feature set that can change with your requirements by adding optional licenses at any time for MADI, loudness and Dolby
- Multiple operational modes allow you to determine how you wish to control and visualize your audio content based on application, environment or simple personal preference
- Web interface provides quick and simple control and configuration of all key parameters from any remote location

REAR PANEL



MODES OF OPERATION

Meter Modes

A traditional audio meter mode, displaying 16 audio level meters with single and multiple audio channel selection.

Names Mode

Displays the source names of 8 audio pairs, with audio presence displays, complete with multiple channel monitoring selection.

Mix Mode

A graphical representation showing the relative mix levels of up to 16 channels of audio, complete with mix channel selection.

Phase Metering Mode

Allows one audio source to be selected, monitored and checked for audio phase whilst displaying 16 audio level meters.

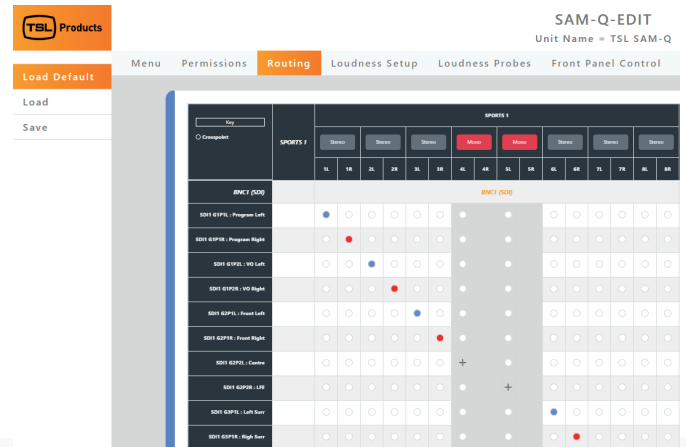


SPECIFICATIONS

HEIGHT	1RU	AoIP CHANNEL CAPACITY	64 Channels
DIMENSIONS	483mm x 45mm x 159mm	AoIP STREAM CAPACITY	8 Streams
POWER	100-240V ~ 50/60Hz 73W Max, Internal	MADI INPUTS	128 Channels via 2x BNC or 2x SFP
WEIGHT	2.9kg	AES3 INPUTS	1x AES3 110Ω Balanced
DISPLAY	Dual 2.4"	AES3 OUTPUTS	8x AES3 75Ω Unbalanced
SIMULTANEOUS AUDIO CHANNEL DISPLAY	16	ANALOGUE OUTPUTS	Stereo, Balanced Fixed or Variable Level

ADDITIONAL LICENSES

- MADI License - customers can mix, monitor and measure up to 128 MADI sources on the SAM-Q-NET.
- Loudness Monitoring Mode - 8 independent loudness probes, providing Short-Term, Momentary and Loudness Monitoring. Loudness from all 8 probes may be logged over an IP network with InfluxDB and displayed using Grafana.
- Dolby License - enables decoding of Dolby E®, Dolby Digital® and Dolby Digital Plus® encoded sources.



SAM-Q CONFIGURATION

Powerful software tools and a built-in web interface allows SAM-Q owners to create, modify and edit configurations both online and offline. With remote configuration and operation SAM-Q provides solid operational benefits throughout a truck, facility or broadcast network.

ORDERING INFORMATION

Ordering Code	Description
SAM-Q-NET	1RU Agile Audio Monitor for use with SMPTE 2110 and AES67 networks. Provides five different modes of operation, tailored for both engineer and operator use.
SAM-Q-MADI-LIC	MADI License to add MADI functionality to SAM-Q-NET. Provides a maximum of 128 channels of MADI monitoring, mixing and measurement.
SAM-Q-LOUD-LIC	Loudness Monitoring license for use with SAM-Q-NET. Adds 3 further operational modes and provides simultaneous loudness monitoring of up to 8 separate audio programs. Loudness from all 8 probes may be logged over an Ethernet network with InfluxDB and displayed using Grafana.