

IQLAM00

3G/HD/SD-SDI Logo Assurance Module

The IQLAM00 provides a fast and efficient way to monitor channel branding by detecting an on air logo and comparing it with a stored logo signature file. Multiple logo files can be stored on the card and loaded via triggers from the automation system as required to provide confidence that the channel branding is correct. Similarly the IQLAM00 can feed back it's logging and reporting information for the automation systems 'as run log' enabling any anomalies to be captured for later analysis. It does this by generating and comparing region specific video signatures from the SDI stream and its stored logo signature file then reporting back the detection confidence value and an alarm should there be a mismatch.

Being fully compatible with SAM's RollMap graphical monitoring software means that logo detection confidence values and alarms from across the system can be shown in a single display graphic providing confidence 'at a glance'.

Alternatively native SNMP support enables the IQLAM00 to be integrated with other network management or automation systems.

Features

- Detects the presence of logos in 3G/HD/SD-SDI video streams with reference to a stored 'target' logo signature
- Can report presence or absence of target logo using the RollCall control and monitoring system, or via SNMP
- Multiple Logos can be downloaded to the card simply via RollCall, and stored for recall during playback
- Standards supported:
 - 3G-SDI to SMPTE 424M/425M level A compatible
 - HD-SDI to SMPTE292M/274M/296M
 - SD-SDI to SMPTE259M-C
 - Fiber to SMPTE 297-2006
- SFP cage enables I/O over fiber or additional SDI via HD-BNC
- 16 x user and logo memories, save/recall/rename
- RollTrack triggers for logo presence and absence created to enable action by other RollTrack enabled units
- Rollcall control and monitoring compatible with standard logging and reporting features

Why should you choose this module?

- Provides confidence that channel branding remains correct during live operations
- Full RollCall and SNMP compatibility allows easy integration with Snell, or third party, network management systems providing an all-inclusive monitoring and control solution

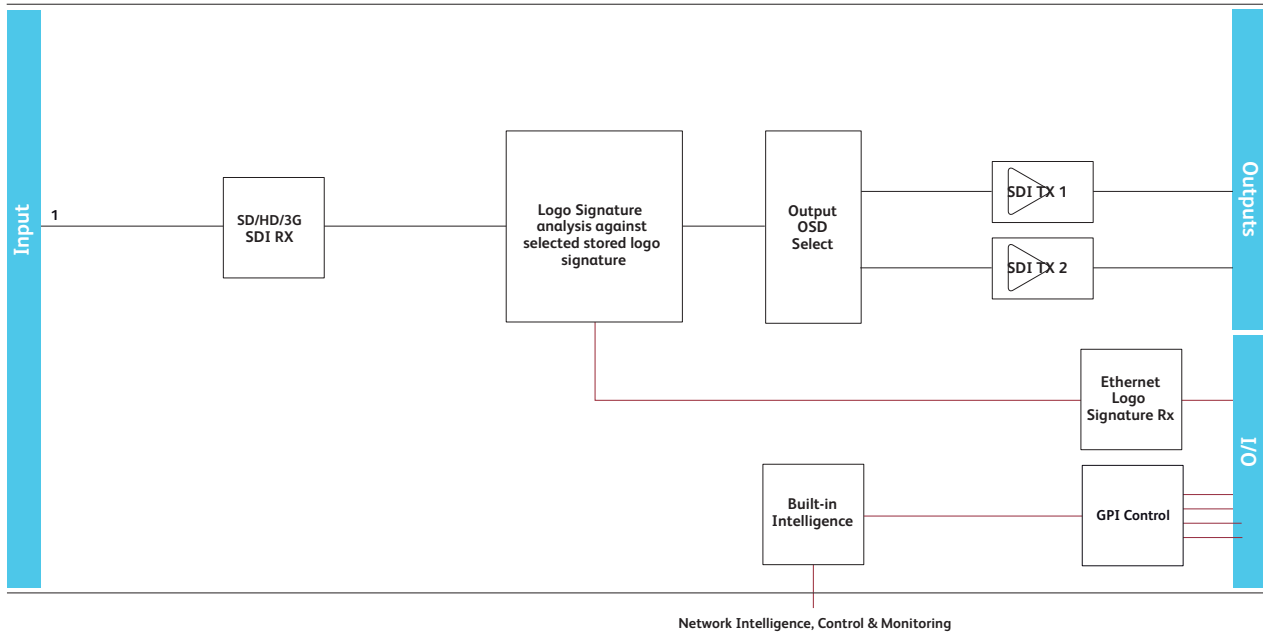
Order Codes - IQH3A/1A/3B enclosures



IQLAM0000-1A3, IQLAM0000-1B3

3G/HD/SD-SDI Logo Assurance Module.
1 SDI input, 2 SDI outputs, 2 GPIs, Ethernet I/O.

For more details on enclosure types please refer to datasheet IQH3B.



Block Diagram for IQLAM0002-2B3

Technical Specification

Inputs and Outputs

Signal Inputs

SDI Inputs	1 x
Electrical	3Gbit/s SDI, SMPTE 424M (425M-level A) 1.5Gbit/s HD-SDI, SMPTE 292M 270 Mbit/s SDI, SMPTE 259M-C
Connector / format	BNC/ 75ohm panel jack on standard Snell connector panel
Input cable length	Up to 80m Belden 1694A @ 3Gbps Up to 150m Belden 1694A @ 1.5 Gbps Up to 250m Belden 1694A @ 270 Mbps

Signal Outputs

SDI Output	2 with selectable logo region OSD
Electrical	3Gbit/s SDI, SMPTE 424M 1.5 Gbit/s HD-SDI, SMPTE 292M 270 Mbit/s SDI, SMPTE 259M-C
Connector / format	BNC/ 75ohm panel jack on standard Snell connector panel HD / SD-SDI Outputs x 7 (1 selectable main or monitoring)
Return loss	>-15dB to 1.5GHz, better than -10dB to 3GHz

Indicators

Power	OK (Green)
CPU	OK (Flashing)
Content Status	
Summary	OK (Green) Warning (Yellow) Error (Red)

Functions

OSD output select	On/Off
Logo detection window size?	
Logo detection position	X-Y adjust?
Logo detection	Enable/Disable
User memories	16 x Save / Recall / Rename
Logo memories	16 x Save / Recall / Rename
Reporting & Logging	Input Loss; Input Line Standard; Logo detected, detection confidence

Information Window	Video Input Status, Audio Input Status,
RollTrack Index	Up to 16 RollTrack destinations
RollTrack Sources	Unused, Input state & Std, Logo confidence, logo detected, GPI/O state
Factory Default	Resets all module settings to factory specified default values and clears memories
Default Settings	Resets all module settings to factory specified defaults but does not clear memories
Restart	Software restart of the module
Module Information	"Reports following module information: Software version, Serial number, Build number, KOS version, Firmware version, PCB version

Specifications

Electrical

Standards supported	1080/50p, 1080/59p, 1080/60p, 750(720)/60p, 750(720)/59p, 750(720)/50p, 1125(1080)/29i, 1125(1080)/30p*, 1125(1080)/29p*, 1125(1080)/25i, 1125(1080)/25p*, 1125(1080)/24p*, 1125(1080)/23p*, 525(480)/29i, 625(576)/25i * Note: Must be the same standard on both inputs
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Power Consumption

Module power consumption	14.5W Max (A frames) 14 PR (B Frames)
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