

IQMBG80

Provisional Data

8 Channel 3G/HD/SD-SDI Media Biometrics Generator

The IQMBG80 generates media biometrics signatures containing vital video and audio information from up to 8 independent SDI inputs and transmits them over an Ethernet IP link.

SAM Media Biometrics takes the 'fingerprinting' concept a step further by using advanced techniques to both identify media and discover content errors regardless of the content and, in most cases, the processing that has been applied to the content.

IQMBG80 Media Biometrics generators are designed to provide a low barrier to entry for customers wishing to integrate the system into their existing workflows. Handling up to 8 SDI inputs in a space efficient single width modular form factor allows media biometrics signatures to be cost-effectively transmitted to either a Media Biometrics SigMA based system, or a downstream IQSAM00 module for analysis and error reporting.

Features

- Generates Media Biometric signatures from up to 8 SDI inputs and transmits them over IP link for analysis by other Media Biometrics enabled units
- Signatures contain video data and 16 channels of audio data, transmitted frame by frame
- Dedicated IP streaming output connection
- Standards supported:
 - 3G-SDI to SMPTE 424M/425M level A compatible
 - HD-SDI to SMPTE292M/274M/296M
 - SD-SDI to SMPTE259M-C
 - Ethernet IP to IEEE 802.3
- RollCall control and monitoring compatible with standard logging and reporting features

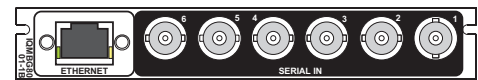
Why should you choose this module?

- SAM's media biometrics technology quickly and easily detects any media errors in the system and provides measurements and alerts to work in harmony with Network management systems
- Full RollCall and SNMP compatibility allows easy integration with SAM, or third party, network management systems providing an all-inclusive monitoring and control solution

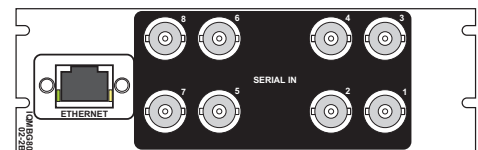
Inputs & Outputs - IQH3A/1A/3B enclosures



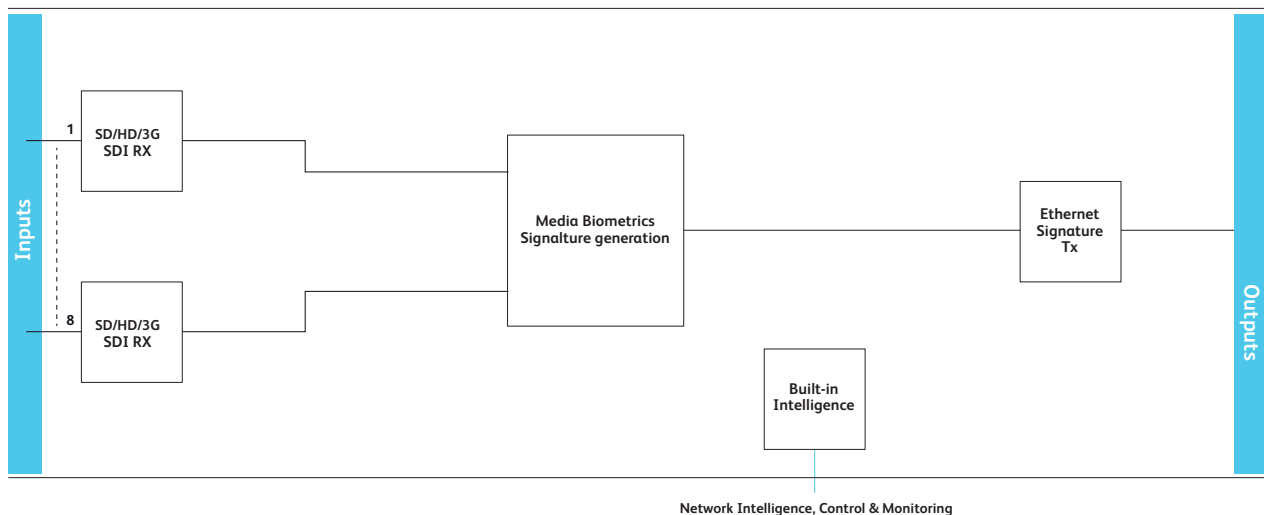
IQMBG8000-1A3, IQMBG8000-1B3



IQMBG8001-1A3, IQMBG8001-1B3



IQMBG8002-2A3, IQMBG8002-2B3



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Technical Specification

Inputs and Outputs

Signal Inputs

| | |
|--------------------|--|
| SDI Inputs | 8 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 | HD-BNC/BNC 75ohm panel jack on standard SAM 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

| | |
|--------------------|--|
| Ethernet Output | Up to 8 media biometric signatures |
| Electrical | 10/100 baseT Ethernet to IEEE 802.3 |
| Connector / format | RJ-45 panel jack on standard SAM connector panel |

Controls

Indicators

| | |
|----------------|---|
| Power | OK (Green) |
| CPU | OK (Flashing) |
| Content Status | |
| Summary | OK (Green) Warning (Yellow) Error (Red) |
| Link | Link Up (Green) |
| Rate | 10Mbps (Yellow), 100Mbps (Green) |

Functions

| | |
|---------------------|--|
| Reporting & Logging | Input Loss; Input Line Standard; |
| Information Window | Video Input Status, |
| RollTrack Index | Up to 16 RollTrack destinations |
| RollTrack Sources | Unused, Input state & Std |
| 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 |
|---------------------|---|

Power Consumption

| | |
|--------------------------|---|
| Module power consumption | TBC W Max (A frames) TBC PR (B Frames) |
|--------------------------|---|

Ordering Information

Order codes for IQH3B enclosures

IQMBG8000-1B3

3G/HD/SD-SDI Media Biometrics Generator. 8 SDI inputs (HD-BNC), Ethernet Output.

IQMBG8001-1B3

3G/HD/SD-SDI Media Biometrics Generator. 6 SDI inputs (BNC), Ethernet Output.

IQMBG8002-2B3

3G/HD/SD-SDI Media Biometrics Generator. 8 SDI inputs (BNC), Ethernet Output.

Order codes for IQH3A/1A enclosures

IQMBG8000-1A3

3G/HD/SD-SDI Media Biometrics Generator. 8 SDI inputs (HD-BNC), Ethernet Output.

IQMBG8001-1A3

3G/HD/SD-SDI Media Biometrics Generator. 6 SDI inputs (BNC), Ethernet Output.

IQMBG8002-2A3

3G/HD/SD-SDI Media Biometrics Generator. 8 SDI inputs (BNC), Ethernet Output.

For more details on enclosure types please refer to datasheet IQH3B