

Features

- 8-channel bidirectional audio
- 8 digital inputs
- 4 digital outputs
- Comprehensive web interface
- Compact housing
- 3-level access control
- SNMP and network time (NTP) support
- Remotely upgradeable



A-80

8-channel audio and I/O card

Description

The unique Siqura® A-80 eight-channel audio and I/O card offers a compact solution for multiple audio and digital I/O (contact closures) over IP. The A-80 adds audio and I/O to almost any existing or new CCTV solution.

Audio

The Siqura® A-80 adds eight separate bidirectional audio channels to the CCTV system. The audio inputs support either line-level or microphone-level with additional biasing to power electric microphones. By using RTP/RTC in combination with network time synchronisation (NTP) the audio streams can be made lip-sync with almost any video stream.

Digital I/O

Eight digital inputs can be configured to 'stream' CC signals to e.g. the i-NVR or to activate a signal in the API. In addition the A-80 offers four digital outputs to connect with third-party PLCs or other telemetry systems. The digital output can be activated through the API, internal triggers (alerts) or received CC-streams.

Open Streaming Architecture (OSA)

The A-80 is designed with OSA offering standardised streaming video and remote control based on international standards and tested with different vendors. A comprehensive HTTP API gives access to all controls and makes integration easy. In addition, the A-80 supports the unique Siqura® MX™ protocol.

Fiber option

The A-80 is available with an optional pluggable SFP slot for connections via fiber optic cable (SFP). A range of multi-mode or single-mode XNet™ SFP devices fit the empty SFP slot.

Web interface

Configuration, management, and live viewing are simplified by the access-controlled web interface. Full in-band control is available through the Siqura® MX™ Configuration Tool Kit or the HTTP API. The Siqura® A-80 is field-upgradeable.

IP surveillance solutions

The A-80 is part of Siqura's complete collection of video surveillance equipment and solutions. Siqura® offers video codecs/servers, IP cameras, video management, network storage, and configuration software.

Technical Specifications

A-80

Audio	
Number of channels	8 (mono, full duplex)
Number of streams	5 RTSP maximum or 3 MX streams per input, multicast and/or unicast
Maximum bandwidth	20 Hz to 8 kHz
Compression	G.711 (a- or μ -law)
Input level	Adjustable, mic or line (phantom powered)
Output level	Adjustable, 3 Vrms maximum
Input impedance	>20 k Ω or 600 Ω balanced (selectable)
Output impedance	<100 Ω unbalanced
Connector type	screw terminal

Contact closures	
Number of channels	8x in, 4x out
Number of streams	3 MX streams per input multicast and/or unicast
Output	Fail-safe, open collector (OC)
Connector type	Screw terminal

Transmission interface	
Number of interfaces	1
Interface	10/100Base-TX Fast Ethernet, autonegotiation, half duplex / full duplex, 10/100Mb selectable
SFP option	Empty SFP slot for 100 Mbps SFP device
Protocols	RTP, RTCP, RTSP, TCP, UDP, IP, DHCP, IGMPv2, (S)NTP, MX/IP, HTTP, SNMP v2, FTP
Connector type	RJ-45

Management	
LED status indicators	
DC	Power-on indicator (green)
Sync	All links are operational (green); failure in RX stream(s) (yellow); failure in TX stream(s) (red)
Ethernet port	Green LED: on = 100 Mb, off = 10 Mb Amber LED: on = link okay, flashes with activity
Network management and control	SNMP v2, MX™, HTTP API, HTML (password protected)

Powering	
Power consumption	<6 W
Rack-mount units	MC 10 and MC 11 power supply cabinets
Stand-alone units (/SA)	11 to 19 Vdc (PSA-UN12DC or PSR-12DC)

Environmental	
Operating temperature	-10 °C to +65 °C (+14 °F to +149 °F)
Relative humidity	<95% with no condensation
MTBF (Mean Time Between Failures)	>200,000 hours
Safety and EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4, EN 50081-1, EN 55022, FCC part 15

Technical Specifications

A-80

Mechanical

Dimensions (h x w x d)	128 x 34 x 190 mm (5.04 x 1.34 x 7.5 in)
Weight	450 g (15.80 oz)
Housing	Rack-mount or stand-alone

Ordering information

Models	Description
A-80	8-channel audio and digital I/O card
A-80 SFP	8-channel audio and digital I/O card with empty 100 MB SFP slot
A-80...../SA	Stand-alone version of rack-mount models



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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