

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



Description

The unique Siquira® 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 A-80 adds 8 separate bidirectional audio channels to the CCTV system. The audio inputs support either line-level or microphone-level with additional biasing to power electret microphones. By using RTP/RTCP in combination with network time synchronization (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 4 digital outputs to connect with third party PLC's 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 to comply with the worldwide adopted standards for streaming audio. OSA offers standardized streaming audio and remote control. All streaming protocols are based on proven

standards and tested with different vendors. A comprehensive HTTP API gives access to all controls, which makes integration with third-party equipment easy. The API is available at Optelecom-NKF.com. In addition to OSA, the A-80 supports Siquira's unique 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 multimode or single-mode XSNet™ 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 Siquira's software suite, MX™ Configuration Tool Kit or the HTTP API. The Siquira A-80 is field-upgradeable.

IP Surveillance Solutions

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

Ordering Information

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

A-80

Technical specifications

8-channel audio and I/O card

Audio		Management	
Number of channels	8 (Mono, full-duplex)	Led status indicators	Power-on indicator (green)
Number of streams	Max. 5 RTSP or 3 MX streams per input (multi- and/or unicast)	DC	All links are operational (green); failure in RX stream(s) (yellow); failure in TX stream(s) (red)
Maximum bandwidth	20 Hz to 8 kHz	SYNC	Green LED: on=100 Mb, off=10 Mb; Amber LED: on=link okay, flashes with activity
Compression	G.711 (A- or μ -law)	Ethernet port	SNMP v2, MX™, HTTP API, HTML (password protected)
Input level	Adjustable, mic or line (phantom powered)	Network management and control	
Output level	Adjustable 3 Vrms max.	Powering	
Input impedance	600 Ω /> 20 k Ω balanced (selectable).	Power consumption	<6W
Output impedance	<100 Ω unbalanced.	Rack-mount units	MC10 and MC11 power supply cabinets
Connector type	screw-terminal	Stand-alone units (/SA)	11 to 19 VDC (PSA-12 DC/25 or PSR-12 DC)
Contact Closure		Environmental	
Number of channels	8x in, 4x out	Operating temperature	-10°C to +60°C (+14°F to +140°F)
Number of streams	3 MX streams per input (multi- and/or unicast)	Relative humidity	<95% (no condensation)
Output	Fail-safe, open collector	MTBF	>200,000h
Connector type	screw-terminal	Safety & EMC	IEC/EN 60950-1, IEC/EN 60825, IEC/EN 61000, EN 50130-4, EN 50081-1, EN 55022, FCC part 15
Transmission Interface		Mechanical	
Number of interfaces	1	Dimensions (h x w x d)	5.04 x 1.34 x 7.5 in. (128 x 34 x 190 mm)
Interface	10/100Base-TX Fast Ethernet, Auto Negotiation, half-duplex/full-duplex, 10/100 Mb	Weight (approx.)	15.80 oz. (450g)
SFP option	Empty SFP slot for 100 Mbps SFP device	Housing	Rack-mount or stand-alone (/SA)
Protocols	RTP, RTCP, RTSP, TCP, UDP, IP, DHCP, IGMPv2, (S)NTP, MX/IP, HTTP, SNMP v2, FTP, RJ45		
Connector type			



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

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