S-68 E

8-channel H.264 Video Server

Features

- Compact 8-channel H.264 video server
- Very high density video input solution (up to 88 channels per 3U-19inch rack)
- Open Streaming Architecture
- Duplex serial data
- VMD per channel
- 3-level access control
- SNMP and network time (NTP) support
- Remotely upgradeable

Description

The Siqura® S-68 E H.264 video server is an open, versatile, and cost-effective 8-channel solution for IP video monitoring applications. Utilizing the full power of H.264 the S-68 E features low-latency, crystal clear, and highly detailed video.

High Channel Count

The S-68 E offers the perfect solution for systems with high channel counts. With 11 units fitting in a single MC 11 power supply cabinet you have 88 video channels per 3RU of a 19inch rack. The S-68 E clusters 8 channels (encoders) under each IP address.

Open Streaming Architecture (OSA)

The S-68 E is designed with a strong focus on standardization. Its OSA offers standardized streaming video and remote control. All streaming protocols are based on approved standards and tested with different vendors. A comprehensive HTTP API gives access to all controls and makes integration with third-party VMS easy. The API is available on Optelecom-NKF.com. In addition, the S-68 E supports Siqura's unique MX™ protocol.

Data

By combining streaming video with serial data over IP, the S-68 E provides the necessary interface for any CCTV application (PTZ control, access control, etc).

Web Interface

Configuration, management, and live viewing are simplified by the access-controlled web interface. Full in-band control is available through Siqura's MX™ Configuration Tool Kit or the HTTP API. The Siqura S-68 E is field-upgradeable.

Ordering Information

Model	Description
S-68 E	8-Channel H.264/MJPEG video encoder with data
S-68 E /SA	Stand-alone version of rack-mount models

Siqura is a trademark of Optelecom-NKF

SIQURA® SURVEILLANCE SOLUTIONS

S-68 E
Technical specifications

8-channel H.264 Video Server

Video

Video Channels	8x PAL/NTSC
Input level	1 Vpp (+/- 3 dB)
Compression algorithm	H.264 (ISO/IEC 14496-10) + MJPEG
Type of streaming	UDP/IP (Unicast, multicast, multi-unicast)
Number of output streams	up to 20
Input impedance	75 Ω or Hi-Z
Encoding latency	<130 ms
Resolution	D1, 2/3D1, ½D1, 2CIF, CIF, QCIF, VGA
GOP structure	I, IP
Frame rate	1 to 30 fps
Number of encoders	1x H264 + MJPEG (LiveView) per input
Output data rate	56 kb/s up to 4 Mb/s per input
Video parameters	Contrast, brightness, hue and saturation
Video Overlay	3x text lines (fully configurable), 1x Graphical image (BMP, GIF or JPEG)
Live View encoder	HTTP, FTP pull"
Connector type	BNC (gold-plated centerpin)

Data

Number of channels	1x (full-duplex)
Interfaces	1x RS232 , 1x RS422/485 (2- or 4-wire)
Stream	TCP/UDP/MX configurable
Data rate	300 b/s to 115 kb/s
Connector type	RJ-45

Video Analytics

VMD	Based on movement detection in free-drawn ROI, per input

Transmission Interface

Number of interfaces	1x
Interface	10/100Base-TX Fast-Ethernet, Auto-Negotiation, HD/FD, 10/100 Mb selectable
Protocols	H.264 BP, (M)JPEG, RTP, RTSP, RTCP, DHCP, SNMPv2, IGMPv2, NTP, HTTP, SAP, UPnP, DiffServ, TelNet, FTP
Connector type	RJ-45

Management

Led status indicator	Power on and operational
Network management & Control	SNMP, MX™, HTTP API (v1.5), HTML (Password protected)

Powering

Power consumption	7.5W at 12Vdc

Environmental

Operating temperature	-10°C to +60°C (+14°F to +140°F)
Relative humidity	< 95% no condensation
MTBF	>200,000 hours
Safety & EMC*	EN 50155, EN 50121-3-2, conform CE regulations, UL
Vibration & shock*	EN 50155, EN61373

Mechanical

Dimensions (h x w x d)	128 x 34 x 190 mm
Housing	Rack-mount or stand-alone

* certification/approval pending

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

© Optelecom-NKF Version: January 2010 V1 (First Edition) – Subject to modification

www.siqura.com
www.optelecom-nkf.com