V2011A Series

Small Matrix Switching/Control System

- **Utilizing ARM9 microprocessor technology and LINUX operation system core**
- **Up to 32 video inputs by 8 video outputs**
- **Ethernet multilevel networking**
- **Free move of camera title and time information on screen**
- **Self-calling and mutual calling of tour and salvo, as well as other Ethernet matrix's video calling are provided**
- **Alarm response can call video input of other networked matrices**
- **Alarm transferred via Ethernet to remote Ethernet Matrix or PC**
- **Keyboard Grouping and Camera Grouping, providing precise management of keyboard to monitor/camera control**
- **User priority and password management**
- **Windows-based multimedia management software**

V2011A features comprehensive functions and pre-configuration.

Utilizing ARM9 microprocessor technology and based on LINUX operation system, the V2011A can provide automated electronic surveillance or it can allow a single user to control an entire CCTV system of up to 32 video inputs by 8 video outputs. In an automated environment the user can pre-define up to 64 system tours, 64 salvos, 35 event timers, 5 alarm display modes and 3 alarm clearance modes to be performed separately on individual monitors.

V2011A has powerful Ethernet multi-level networking function. Available GUI software further simplifies system operation through an on-screen system keyboard. Users can be defined at different levels of administration to further enhance the security of the system.

Technical specifications

Video Input	75 Ohm BNC, 1.0 Vp-p composite
Maximum Inputs	32
Video Output	75 Ohm BNC, 1.0 Vp-p composite
Maximum Video Outputs	8
Amplitude Frequency	±1.0 dB (5.8 MHz)
Differential Gain	<1.0% (typical)
Differential Phase	<1.5°(typical)
S/N Ratio	≥60 dB (typical)
Adjacent Channel Crosstalk	PAL: 55 dB (4.43 MHz); NTSC: 55 dB (3.58 MHz)
Input to Input Crosstalk	PAL: 70 dB (4.43 MHz); NTSC: 70 dB (3.58 MHz)
Return loss (input/output)	>40 dB
DC level	0V or 400mV
Bandwidth	5 Hz~8 MHz
Switching Speed	20ms (typical)
Non-Volatile Memory	for a minimum of 10 years
Tour	64
Salvo	64
Event Timer	35
Alarm Inputs	Max 128, port or network alarm input
Alarm Response	5 alarm display modes; 3 alarm clearance modes; 5 alarm link tables
OSD	video input number, date/time, video input titles (maximum characters 16) and monitor status
Menu Language	English
Keyboard Control Time	60ms (typical)
Keyboard Control Protocol	RS-232 or Ethernet
RS-232 Ports	3, RJ-45
Ethernet Ports	1, RJ-45
Ethernet Data Rate	10/100 Mbps
Alarm Input Connector	16, 20-pin D type
Input Port Status	NO (Normally Open)/ NC(Normally Close)
Relay Output Port	2, 6-pin D type
Relay Contact Ratings	1A@24VDC, 0.5A@110VAC
Manchester Code Output Port	4, 12-pin connector
RS-485 Ports	1, 3-pin connector
Input Voltage	100~240VAC self-adaptive
Power	Maximum 11W
Dimensions (H x W x D)	3.5" x 19.0" x 12.8" (89mm x 483mm x 325mm)
Package Size (H x W x D)	6.5" x 21.7" x 19.0" (165mm x 550mm x 483mm)
Unit Weight	7.9lbs. (3.6 kg)
Shipping Weight	11.7lbs. (5.3 kg)
Mounting	19" EIA standard rack mount
Operating Temperature	32°F~122°F (0°C~50°C)
Operating Humidity	0~90%RH (non-condensing)
Certifications and Approval	
Product Certifications	CE/EMC[1], FCC[2], ISO 9001:2008

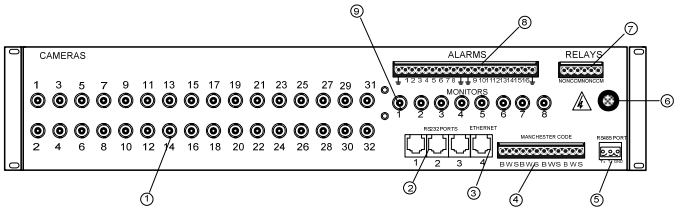
Certificate No.: [1] RSZ07121702-1&2; [2] RSZ07121702.

Ordering information

V2011A-16x5	Small matrix switching/control system, 16 video inputs and 5 video outputs, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-16L×5	Small matrix switching/control system, 16 video inputs and 5 video outputs, video looping output, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-32×8	Small matrix switching/control system, 32 video inputs and 8 video outputs, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC
V2011A-32L×8	Small matrix switching/control system, 32 video inputs and 8 video outputs, video looping output, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC

Note: V2011A series matrices are applicable to NTSC system, of which, suffix "X" added behind V2011A means it is applicable to PAL system, such as V2011AX-16×5.

Panel diagram



(1) 32 Video inputs
(2) 3 RS-232 ports
(3) Ethernet output
(4) 4 Manchester control code connectors
(5) RS-485 control code connectors
(6) Power supply cable
(7) 2 Relays outputs
(8) 16 Alarm inputs
(9) 8 Video outputs

Typical application diagram