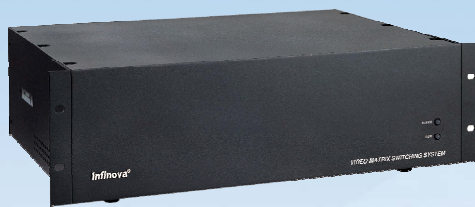# V2015A Series

Small Matrix Switching/Control System

Infinova®
The Integrator's Manufacturer

- **Utilizing ARM9 microprocessor technology and LINUX operation system core**
- **Up to 80 video inputs by 16 video outputs**
- **Ethernet multilevel networking function**
- **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**

V2015A features comprehensive functions for any security/surveillance system, pre-configuration to assure the highest level of reliability, and modular architecture for ease of installation and operation.

Utilizing ARM9 microprocessor technology and based on LINUX operation system, V2015A can provide automated electronic surveillance or it can allow a single user to control an entire CCTV system of up to 80 video inputs by 16 video outputs. Selectable control code module provides direct control over Manchester or RS-485 protocol receivers and super domes, and Ethernet interface module offers a cost-effective solution for system integration with your existing network.

V2015A can be controlled by keyboards via RS-232 ports. Available GUI software further simplifies system operation through an on-screen system keyboard which is a fully functional representation of V2117. 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	Keyboard Control Time	60ms (typical)
Maximum Inputs	80	Keyboard Control Protocol	RS-232 or Ethernet
Video Output	75 Ohm BNC, 1.0 Vp-p composite	RS-232 Ports	5, RJ-45
Maximum Video Outputs	16	Ethernet Ports	1, RJ-45
Amplitude Frequency	±1.0 dB (5.8 MHz)	Ethernet Data Rate	10/100 Mbps
Differential Gain	<1.0% (typical)	Alarm Input Connector	16, 20-pin D type
Differential Phase	<1.5° (typical)	Input Port Status	NO (Normally Open)/ NC (Normally Close)
S/N Ratio	≥60 dB (typical)		
Adjacent Channel Crosstalk	PAL: 55 dB (4.43 MHz) NTSC: 55 dB (3.58 MHz)	Relay Output Port	2, 6-pin D type
		Relay Contact Ratings	1A@24VDC, 0.5A@110VAC
Input to Input Crosstalk	PAL: 70 dB (4.43 MHz) NTSC: 70 dB (3.58 MHz)	Manchester Code Output Port	4,12-pin connector
Return loss (input/output)	>40 dB	RS-485 Ports	1, 3-pin connector
DC level	0V or 400mV	Input Voltage	100~240VAC self-adaptive
Bandwidth	5Hz~8MHz	Power	Maximum 30W
Switching Speed	20ms (typical)	Dimensions (H x W x D)	5.2" x 19.0" x 13.0" (132mm x 483mm x 329mm)
Non-Volatile Memory	for a minimum of 10 years		
Tour	64	Package Size (H x W x D)	10.5" x 22.5" x 17.8" (267mm x 571mm x 451mm)
Salvo	64		
Event Timer	35	Unit Weight	17.2 lbs. (7.8 kg)
Alarm Inputs	Max 1024, port or network alarm input	Shipping Weight	19.8 lbs. (8.97 kg, for standard configuration)
Alarm Response	5 alarm display modes 3 alarm clearance modes 5 alarm link tables	Mounting	19" EIA standard rack mount
		Operating Temperature	32°F~140°F (0°C~60°C)
OSD	video input number, date/time, video input titles (maximum characters16) and monitor status	Operating Humidity	0~90%RH (non-condensing)
		Certifications and Approval	
Menu Language	English	Product Certifications	CE, FCC, ISO 9001:2008

Ordering information

V2015A-YY×ZZ   Small matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, NTSC

V2015AX-YY×ZZ   Small matrix switching/control system, English menu, 100~240VAC self-adaptive, Ethernet networkable, PAL

Note: YY×ZZ specifies numbers of video inputs (in submultiples of 16) and video outputs (in sub-multiples of 4). For example, V2015A-80×16 is a pre-configured networkable matrix with 80 video inputs and 16 video outputs.

Panel diagram
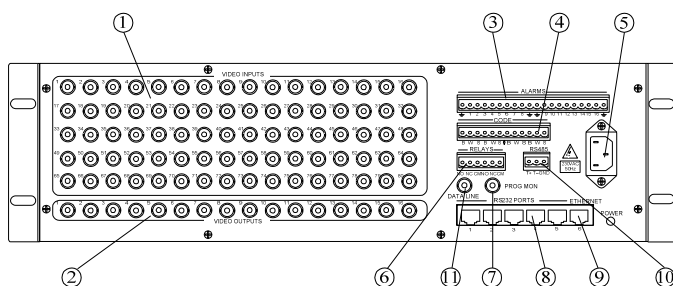
(1)   80 BNC video inputs (75Ω terminated)
(2)   16 BNC video outputs for 75Ω terminated monitors
(3)   16 alarm inputs (normally open)
(4)   4 Manchester control code outputs
(5)   Power socket
(6)   2 relay outputs
(7)   Programming Monitor (PGM) output
(8)   5 RS-232 ports
(9)   1 Ethernet port
(10)   1 RS-485 control code output
(11)   HSDL output

Typical application diagram

V2421A

V2422A

V2423A

V2431X

Fixed Camera

Super Dome

Super Dome

Sensor

VIDEO INPUTS

VIDEO OUTPUTS

V2015A

Monitor 1

Monitor 6

PGM

V2117X

V2110

V2210 GUI