



## MV47 and MV87 Series

### PREMIUM DIGITAL QUADS



The MV47 and MV87 Series offer the industry's highest resolution, enhanced playback features, operational functions that users want most. These premium quads offer the performance, flexibility and control demanded by today's security professionals.

View up to four live cameras simultaneously, sequence through all or selected cameras, or select one camera for full-screen display while recording to VCR in quad format. On playback, zoom image up to 2x, freeze frame and enhance images for detailed event analysis.

Comprehensive alarm features include full screen display of alarmed camera, programmable duration, alarm disable, alarm output and audible alert. Quickly access time, date, camera title and other functions via two-screen setup menu. Remote control of up to nine quads is easy via RS-232.

Unmatched picture clarity, premium features, and superior performance, have made the American Dynamics Robot Family of premium Digital Quads the industry choice for years.

### FEATURES

- View up to four live cameras simultaneously in quad screen, one camera full screen or sequenced images on live display monitor
- View real-time images on live monitor while recording to VCR
- Unmatched clarity with 1024 x 512 high resolution digital pixel images to display monitor and VCR
- Automatic sequential switching with variable dwell and camera selection
- Easy setup and operation via front panel push-button controls
- 30 fields/second real-time refresh rate
- Enhanced playback allows use of freeze frame or enhanced 2x zoom for examination of recorded events
- Time, date and camera title displays on both live monitor and recorded image
- Adjustable video gain for each camera to maximize quality
- Conveniently control up to nine quads remotely
- Comprehensive alarm features plus universal alarm, remote connectors, video loss indication and security lockout

## SPECIFICATIONS

### Model Numbers

MV47	4 channel, B/W, EIA version
MV47-1	4 channel, B/W, CCIR version
MV87	4 channel, color, NTSC version
MV87-1	4 channel, color, PAL version

### Operational

Video Standard	NTSC/EIA	525 lines, 60 fields/second
	PAL/CCIR	625 lines, 50 fields/second
Video Input	Four	1.0 Vp-p, composite video
Monitor Output	1.0 Vp-p	composite video
VCR Input	1.0 Vp-p	75 Ω, BNC
VCR Output	1.0 Vp-p	composite, 75 Ω, BNC
Video Resolution	1024 x 512 pixels full screen to display and VCR 8 bit luma, 256 shades of gray 24-bit chroma, over 16 million colors on palette (MV87 series only)	
Display Rate	Real-Time	30 fields per second
Alarm Input	Four	programmable as normally open or normally closed, enable/disable
Alarm Output	Form C, 2A @ 30 VDC or 1A @ 125 VAC, Resistive	
Alarm I/O Connector	One	DB9
Alarm Duration	Programmable 1 second to 59 minutes or continuous, 4 second default	
Operating Power	12 VDC	18 watts, 2.1 mm pin jack

### Mechanical

Unit Weight	1.8 kg (3.9 lbs)
Shipping Weight	3.2 kg (7.0 lbs)
Dimensions	44 x 216 x 311 mm (1.75 x 8.5 x 12.25 in)
Operating Temperature	0° to 45° C (32° to 113° F)

### Regulatory

Emissions	FCC Part 15, Subpart B, Class B EN55022 Class B
Immunity	EN50081-1, EN61000-3-2, -3-3 EN50082-1, IEC1000-4-2, -4-3, -4-4
Safety	EN60950 (1992), Amendments 1 and 2

### Accessories

RM06	Single Rack Mount Kit
RM07	Dual Rack Mount Kit

### Basic System Diagram

