



## ADQUAD27 and ADQUAD77 Series

### STANDARD DIGITAL QUADS



The ADQUAD27 and ADQUAD77 Series Standard Digital Quads provide live display options during quad recording, comprehensive alarm capabilities, and the operational functions that users want most. These 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 or DVR in quad format.

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.

Simple operation, superior performance and all the right features make American Dynamics Robot family of Standard Digital Quads the value driven choice.

### 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 512 x 512 high resolution digital pixel images to display monitor and VCR
- Automatic sequential switching with variable dwell and camera selection
- 30 fields/second real-time refresh rate
- Easy setup and operation via front panel push-button controls
- Time, date and camera title displays in quad mode and on live monitor and playback
- Adjustable video gain control for each camera to maximize image quality
- Comprehensive alarm features plus universal alarm, video loss indication, and security lockout

**SPECIFICATIONS**

**Model Numbers**

ADQUAD27 ..... 4 channel, B/W, EIA version  
 ADQUAD27-1 ..... 4 channel, B/W, CCIR version  
 ADQUAD77 ..... 4 channel, color, NTSC version  
 ADQUAD77-1 ..... 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  
 ADQUAD27 and ADQUAD27-1 .. 512 x 512 pixels full screen to display  
 and VCR 8 bit luma, 256 shades of gray  
 ADQUAD77 and ADQUAD77-1 .. 1024 x 512 pixels full screen to display  
 and 24-bit chroma, over 16 million  
 colors on palette  
 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 0 seconds to 59 minutes  
 or continuous, 4 second default  
 Operating Power ..... 12 VDC, 10 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**

