



## Multivision Quest

### DUPLEX MULTIPLEXER



### FEATURES

- 4, 9 and 16-channel versions
- B/W and color models
- 720 x 480 (NTSC) / 720 x 576 (PAL) pixel display with 256 grays and 16 million colors
- Covert camera programming
- Intelligent video motion detection
- History log for up to 255 alarms, video loss or motion detection events
- User-friendly on-screen menus
- Two levels of password protection
- Adjustable gain control for each camera
- Ability to freeze live and recorded images
- Up to three pre-programmed main monitor sequential switching modes

The Multivision Quest Duplex series offers advanced features not typically found in standard multiplexers. The duplex capability allows users to view live or recorded video while also recording at the same time. Video inputs can be programmed as covert so that certain cameras are recorded but not viewable on the monitors.

Three types of alarm events are supported: video loss, alarm inputs via the rear panel, and motion detection. Motion detection for each individual camera is programmed via a detection grid. Each alarm event can be programmed to put the multiplexer into alarm mode, which can result in on-screen alarm text, an internal buzzer sounding, and a relay being triggered. Triggered alarm inputs can be programmed to increase the camera record rate. Alarm dwell time is user selectable from 1 to 9,999 seconds. In addition, as these events occur they are stored in a non-volatile event history log. The most recent 255 events are kept in the list.

For installations where cameras are located at long distances and video signal integrity is affected, the gain control for each individual camera can be adjusted to restore picture quality.

The multiplexer has two passwords: one for resetting the unit to factory settings, one for configuring the unit during installation.

## SPECIFICATIONS

### Model Numbers

|          |                                                     |
|----------|-----------------------------------------------------|
| DMV14Q   | Duplex, 4 channel, B/W multiplexer. 120VAC, NTSC    |
| DMV19Q   | Duplex, 9 channel, B/W multiplexer. 120VAC, NTSC    |
| DMV16Q   | Duplex, 16 channel, B/W multiplexer. 120VAC, NTSC   |
| DMV94Q   | Duplex, 4 channel, color multiplexer. 120VAC, NTSC  |
| DMV99Q   | Duplex, 9 channel, color multiplexer. 120VAC, NTSC  |
| DMV96Q   | Duplex, 16 channel, color multiplexer. 120VAC, NTSC |
| DMV14Q-1 | Duplex, 4 channel, B/W multiplexer. 230VAC, PAL     |
| DMV19Q-1 | Duplex, 9 channel, B/W multiplexer. 230VAC, PAL     |
| DMV16Q-1 | Duplex, 16 channel, B/W multiplexer. 230VAC, PAL    |
| DMV94Q-1 | Duplex, 4 channel, color multiplexer. 230VAC, PAL   |
| DMV99Q-1 | Duplex, 9 channel, color multiplexer. 230VAC, PAL   |
| DMV96Q-1 | Duplex, 16 channel, color multiplexer. 230VAC, PAL  |

### Accessories

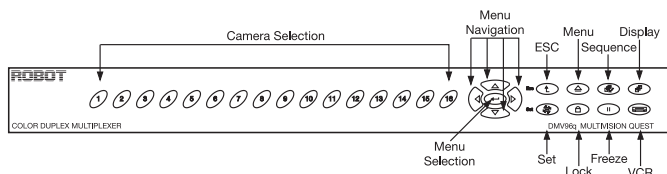
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|--------|-----------------------|
| MQRPNL | Remote Panel, 60/50Hz |
|--------|-----------------------|

### Operational

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Video Inputs              | 4, 9 or 16 depending upon model                                         |
| Video Resolution          | 720 x 480 display (NTSC)<br>720 x 576 display (PAL)                     |
| Display Formats           | 1, 4, and 9 windows (9 Channel)<br>1, 4, 9, and 16 windows (16 Channel) |
| Gain Control              | 1 to 16 (70 to 150%)                                                    |
| Motion Detection Grid     | 192 points, 16 horizontal x 12 vertical                                 |
| Motion Detection Settings | Adjustable sensitivity                                                  |
| Event History Log         | 255 alarm contact, video loss or motion detection events                |
| Alarm Duration            | Programmable 1 to 9,999 seconds                                         |

### Video Inputs/Outputs

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Video Inputs        | 4, 9 or 16 looping composite,<br>1Vp-p, selectable 75 $\Omega$ or High-Z, BNC       |
| VCR Input           | Composite, 1Vp-p, 75 $\Omega$ , BNC<br>S-Video, 1Vp-p, 75 $\Omega$ , 4-pin mini-DIN |
| VCR Output          | Composite, 1Vp-p, 75 $\Omega$ , BNC<br>S-Video, 1Vp-p, 75 $\Omega$ , 4-pin mini-DIN |
| Main Monitor Output | Composite, 1Vp-p, 75 $\Omega$ , BNC<br>S-Video, 1Vp-p, 75 $\Omega$ , 4-pin mini-DIN |
| Call Monitor Output | Composite, 1Vp-p, 75 $\Omega$ , BNC                                                 |



Front Panel

### Connectors

|                     |                                                                              |
|---------------------|------------------------------------------------------------------------------|
| Alarm Input         | 4, 9 or 16, one per camera, programmable as normally open or normally closed |
| Common Alarm Output | One normally open or closed form C relay, 0.5A/120VAC or 2.0A/24VDC          |
| VCR Trigger         | One, TTL input                                                               |
| Set Alarm           | One, contact closure or TTL/CMOS input                                       |
| Reset Alarm         | One, contact closure or TTL/CMOS input                                       |
| RS-485              | Two, RJ-11 ports                                                             |
| Remote Panel        | One, RJ-45 port                                                              |

### Electrical

|               |                                                                  |
|---------------|------------------------------------------------------------------|
| Input Voltage | Regulated, 12VDC $\pm$ 10%                                       |
| Power         | 16 Watts                                                         |
| Power Supply  | 12VDC $\pm$ 10%, 2 A, 2.1 mm pin-jack, positive center conductor |

### Mechanical

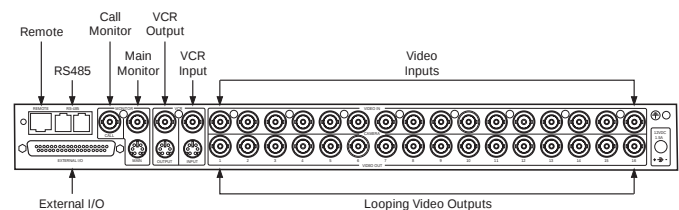
|                        |                                                 |
|------------------------|-------------------------------------------------|
| Dimensions (H x W x D) | 44 x 432 x 270 mm<br>(1.7 x 17.0 x 10.6 in.)    |
| Unit Weight            | 3.2 kg (7.0 lbs)                                |
| Shipping Weight        | 5.0 kg (11.0 lbs)                               |
| Color                  | Black                                           |
| Rack Mounting Kit      | Two L-shaped brackets 1U rack height (included) |

### Environmental

|                       |                             |
|-----------------------|-----------------------------|
| Operating Temperature | 5° to 40°C (41° to 104°F)   |
| Storage Temperature   | -20° to 70°C (-4° to 158°F) |
| Humidity              | 10%-90% RH, non condensing  |

### Regulatory

|           |                                                          |
|-----------|----------------------------------------------------------|
| Emissions | FCC Part 15, Subpart B, Class A<br>EN55022, 1998 Class A |
| Immunity  | EN50082-1 1997<br>CISPR 22: 1997, Class A                |
| Safety    | UL and CUL 1950<br>EN60950                               |



Rear Panel