



Multivision Quest

COLOR TRIPLEX MULTIPLEXER



FEATURES

- NEW Full multiplexer and dome control with ADTT16E Advanced Dome Controller
- View live and pre-recorded video simultaneously on same screen while recording at the same time
- 10 and 16-channel versions
- 720 x 480 (NTSC) / 720 x 576 (PAL) pixel display with 256 grays and 16 million colors
- 60 (NTSC)/50 (PAL) fields/second refresh rate
- Covert camera programming
- “Per-camera” scheduler for day/night alarm and motion settings
- Intelligent video motion detection
- History log for up to 255 alarms, video loss or motion detection events
- Record and alarm priority levels for each camera
- 2x digital zoom
- User-friendly on-screen menus
- Can play back encoded video from other Robot MultiVision multiplexers
- Two levels of password protection
- Active window selection for real time display
- Adjustable gain control for each camera
- Ability to freeze live and recorded images
- Up to three user programmable main monitor sequential switching modes

The Multivision Quest Triplex series offers advanced features not typically found in standard multiplexers. The triplex capability allows users to view live and recorded video simultaneously on the same screen, while also recording at the same time. Viewing options are available for 2x zoom, picture in picture, programmable sequential switching, and a variety of multi-view screen layouts in any combination of live and recorded video. Users can also use the active window feature to select a window (live or playback) to display video in real 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 and has two settings for indoor/outdoor applications. 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. Motion detection, as well as triggered alarm inputs, can be programmed to increase the camera record rate based upon time of day. 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. Video inputs can be programmed for priority recording during normal and alarmed activity.

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.

AMERICAN DYNAMICS MULTIVISION QUEST COLOR TRIPLEX MULTIPLEXER

SPECIFICATIONS

Model Numbers

TMV910Q	Triplex, 10 channel, color multiplexer, 120VAC, NTSC
TMV96Q	Triplex, 16 channel, color multiplexer, 120VAC, NTSC
TMV910Q -1	Triplex, 10 channel, color multiplexer, 230VAC, PAL
TMV96Q -1	Triplex, 16 channel, color multiplexer, 230VAC, PAL

Accessories

MQRPNL	Remote Panel, 60/50Hz
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Operational

Video Inputs	10 or 16 depending upon model
Image Rate	60 fields/sec (NTSC) 50 fields/sec (PAL)
Video Resolution	720 x 480 display (NTSC) 720 x 576 display (PAL)
Display Formats	1, PIP, 4, 7, 9, and 10 windows (10 Channel) 1, PIP, 4, 7, 9, 10, 13, 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 indoor or outdoor algorithms
Event History Log	255 alarm contact, video loss or motion detection events
Alarm Duration	Programmable 1 to 9,999 seconds
Record Priority	1 to 16 (lowest to highest priority)
Alarm Record Priority	1 to 16 (lowest to highest priority)

Video Inputs/Outputs

Video Inputs	10 or 16 looping composite, 1Vp-p, selectable 75 Ω or High-Z, BNC
VCR Input	Composite, 1Vp-p, 75 Ω, BNC
VCR Output	Composite, 1Vp-p, 75 Ω, BNC
Main Monitor Output	Composite, 1Vp-p, 75 Ω, BNC
Call Monitor Output	Composite, 1Vp-p, 75 Ω, BNC

Connectors

Alarm Input	10 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
Day/Night Switch	One, active high or low TTL input
Day/Night Output	One, TTL output
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 ± 10%
Power	16 Watts
Power Supply	12VDC ± 10%, 2 A, 2.1 mm pin-jack, positive center conductor

Mechanical

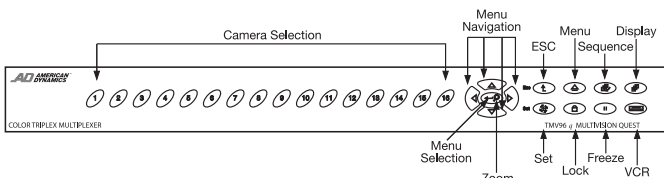
Dimensions (H x W x D)	44 x 432 x 270 mm (1.7 x 17.0 x 10.6 in.)
Unit Weight	3.2 kg (7.0 lbs)
Shipping Weight	5.0 kg (11.0 lbs)
Color	Black
Rack Mounting Kit	Two L-shaped brackets 1U rack height (included)

Environmental

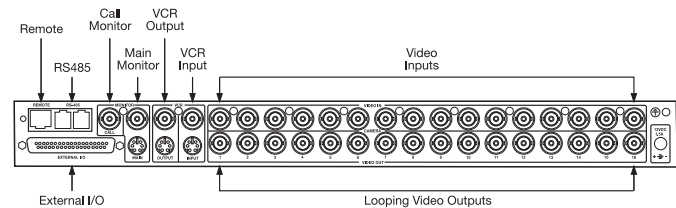
Operating Temperature	5° to 40°C (41° to 104°F)
Storage Temperature	-20° to 70°C (-4° to 158°F)
Humidity	10%-90% RH, non condensing

Regulatory

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



Front Panel



Rear Panel