



Video Systems
16-CAMERA
COLOR
DUPLEX MULTIPLEXER
WITH VIDEO
ALARM DETECTION
MV96p-30



FEATURES

- *Bi-directional RS-232 reduces equipment costs and expands system capabilities*
- *Set time synchronization, monitor alarms or generate alarms via third-party software*
- *Set video motion alarm parameters including target placement, object size and shape, time of day, trigger sensitivity and alarm delay for each camera*
- *High quality resolution, with 730 x 464 digital pixel images*
- *vSync™ for fast installation with VCRs that have a switch pulse output*
- *Individual video alarm outputs for each camera allow customized alarm response for specific security areas*
- *Dynamic Time Division records and displays more frames from cameras that “see” activity*

The Multivision® Pro series delivers advanced features that bring powerful, integrated solutions to your security system. Features like video motion alarm detection, time synchronization, VCR Record Speed Auto-Detection and enhanced picture processing for unparalleled image quality and superior performance with high-resolution cameras. Record up to 16 “live” cameras on one VCR, while simultaneously processing and replaying video from a second VCR. “Live” and playback images can be displayed in a variety of multiple-picture screen formats while recording. Easily program video alarm detection parameters for object size and shape, target placement, trigger sensitivity and tracking delay. Bi-directional RS-232 means you can control remotely with a PC, Remote Control Panel or advanced dome controller. The high-performance Multivision® Pro. . . more power and performance in a cost-effective system solution.

Superior image quality, integration and control in a reliable, easy-to-use solution

FEATURES

Software Management

Bi-directional RS-232 communication allows software control of all multiplexer features. Use an advanced dome controller or a PC with third-party software management tools. Easily schedule tours, check operating status, change recording and/or alarm conditions – all from a remote location.

Integrated Alarm Detection and Reporting

Video motion detection responds to alarm-related motion. Users gain alarm protection and superior documentation of critical events. Alarm-type video motion detection is built-in to the MV96p-30 at a cost lower than comparable stand-alone detectors. Alarm reports, logs and counts are conveniently displayed on-screen. Operation is easy, seamless and integrated.

User-Optimized Alarm Detection Per Camera

Alarm detection parameters include object location, size, shape, tracking delay and trigger sensitivity to suit each camera's unique viewing environment and security need. Programmable 16H x 12V detection grid with 192 detection points allows for superior alarm sensing.

Automatic Day/Night Setting Per Camera

Each camera's detection setting can be set for day and night conditions. The MV96p-30 will automatically change settings when time of day requires alarm sensing requirements to change.

High-Resolution, True-to-Life Color Display

730 x 464 pixels to the VCR, and up to 420 lines of resolution to the monitor (at -6dB). See live or recorded events in high resolution and true-to-life color for detailed documentation, superior surveillance and easier identification.

Simple Multiple Camera Display and Playback Options

Full screen, sequential camera switching, PIP, 2 x 2, 3 x 3 or 4 x 4 picture formats. View only critical areas or see all locations at one time. Change the viewing and playback options to suit your needs on a minute-to-minute basis. Even zoom up to 2X any picture area for a closer look at suspicious activity.

Full Duplex Multiplexing

View and record functions are independent. All cameras are full-field recorded regardless of picture format option selected when pictures were recorded. Playback any camera full screen or select any display option to see the group of cameras you desire.

Other Advanced Features

Remotely synchronize time on up to 255 multiplexers via software, and automatically set camera switch rate to your VCR – no address programming required. Advanced encoding technology allows multiplexer identification on VCR tape. Plus "multi-format decode" allows the MV96p-30 to read other manufacturer's duplex multiplexer tapes. No other multiplexer offers this degree of control and flexibility.

TECHNICAL SPECIFICATIONS

Operational

Video Standard NTSC (525 lines, 60 fields/second) or PAL (625 lines, 50 fields/second)
 Digital Memory 730 x 464 pixels full screen to VCR; 8-bit luma, 256 shades of gray; 24-bit chroma, 16,000,000 colors on palette

Motion Detection Parameters

Target Matrix 16 horizontal x 12 vertical (192 total)
 Sensitivity 5 levels
 Object Size 81 combinations of width and height
 Tracking Delay 0 to 5 seconds
 Alarm Duration Programmable 2 to 999 seconds, 4 seconds default

Motion Alarm Recording

Settings Each video channel has independent settings for day and night
 Alarm Enable On, Off or And (requires concurrent contact closure)

Remote Control Via Remote Control Panel daisy-chain up to 16 multiplexers; via computer software control up to 255 multiplexers
 Software Management Via third-party software

Inputs/Outputs

Video Input 16 looping, 1 V p-p, composite, individually selectable 75 ohms or High-Z, BNC
 Monitor Output Two, 1 V p-p composite, 75 ohms, BNC
 VCR Input/Output: Composite One each, 1 V p-p, 75 ohms, BNC
 VCR Input/Output: S-Video One each, 1 V p-p S-Luma, 75 ohms, S-Video and 0.286 V p-p chroma, 75 ohms, S-Video
 Alarm Connector DB37S (includes DB37P mating connector)
 Alarm Input 16, programmable as normally open or normally closed
 Alarm Hold Input +5 to +15 VDC or TTL Active High
 Common Alarm Output One, normally open or closed contacts, 1.0A not to exceed 42VAC or 60VDC, resistive only
 Motion Alarm Output 16 Active High or Low TTL compatible (one per camera)
 Remote Control RS-232, RJ11 In and Out
 Operating Power Center positive, 12 VDC; 1.5A, 18 watts, 2.1mm pin jack, separate AC power supply included

Mechanical

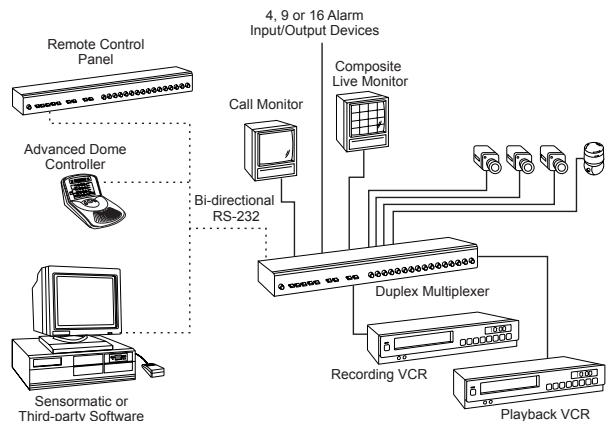
Unit Weight 9 lbs. (4.1 kg.)
 Shipping Weight 11 lbs. (5.0 kg.)
 Dimensions 1.75 in. H x 17 in. W x 12.25 in. D (44mm x 432mm x 311mm)
 Ambient Temperature 40° to 104° F (5° to 40° C)

Options

RM03 Single Unit Rack Mount Kit

Other optional system components may include advanced dome controllers and remote control panels. Please contact your sales representative for more information.

SYSTEM DIAGRAM



ORDER INFORMATION

MV96p-30 NTSC version
 MV96p-30-1 PAL version

Specifications subject to improvement or change without notice.

Certain product names mentioned herein may be trade names and/or registered trademarks of other companies.

