



Multivision® Pro

DUPLEX MULTIPLEXERS



FEATURES

- Full duplex multiplexing, view and record functions are independent
- 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
- 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
- Enhanced performance with high-resolution cameras
- Dynamic Time Division records and displays more images from cameras that “see” activity

The Multivision Pro Duplex Multiplexers deliver advanced features that bring powerful, integrated solutions to your security system; 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 four, nine or sixteen 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 to suit your needs. Zoom up to 2x on any picture area for a closer look at suspicious activity.

Easily program video alarm detection parameters for object size and shape, target placement, trigger sensitivity and tracking delay. Each camera has an individual video alarm output so you can do more than just record.

Easily schedule tours, check operating status, change recording and/or alarm conditions – all from a remote location with a PC, remote control panel or advanced dome controller.

The high-performance Multivision Pro Duplex Multiplexers gives you better pictures, improved recording, and built-in alarm detection all in a value driven solution.

SPECIFICATIONS

Model Numbers

Color

MV96p-30	16 channel, color, NTSC version
MV96p-30-1	16 channel, color, PAL version
MV99p-30	9 channel, color, NTSC version
MV99p-30-1	9 channel, color, PAL version
MV94p-30	4 channel, color, NTSC version
MV94p-30-1	4 channel, color, PAL version

Monochrome

MV16p-30	16 channel, B/W, EIA version
MV16p-30-1	16 channel, B/W, CCIR version
MV19p-30	9 channel, B/W, EIA version
MV19p-30-1	9 channel, B/W, CCIR version

Operational

Video Standard

NTSC/EIA	525 lines, 60 fields/second
PAL/CCIR	625 lines, 50 fields/second

Video Resolution

512 x 464 display NTSC
512 x 512 display PAL
730 x 464 pixels full screen to VCR
8-bit luma, 256 shades of gray
24-bit chroma, over 16 million colors on palette (color models only)

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 3rd-party software

Inputs/Outputs

Video Inputs 4, 9, or 16 depending upon model, 1 Vp-p, composite, individually selectable 75Ω, or HighZ, BNC

Monitor Output Two, 1 Vp-p composite, 75 Ω, BNC

VCR Input/Output One Composite, 1 Vp-p, 75 Ω, BNC

Alarm Connector DB37S (includes DB37P mating connector)

Alarm Inputs 4, 9, or 16, one per camera, programmable as normally open or normally closed

Alarm Hold Input	+5 to +15 VDC or TTL Active High
Alarm Output	Global, normally open or closed contact, 1.0A not to exceed 42 VAC or 60 VDC, resistive only
Motion Alarm Output	4, 9, or 16 depending upon model, active high or low TTL
Remote Control	RS-232, RJ-11 in/out
Operating Power	Center positive, 12 VDC; 1.5A, 18 watts, 2.1 mm pin jack, separate AC power supply included

Mechanical

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

Regulatory

Emissions	FCC part 15, Class A EN55022 (1995) Class A
Immunity	EN50130-4: 1996
Safety	EN60950 (1992), Amendments 1, 2, and 3 UL1950, 3rd Ed

Accessories

RM03	Single Unit Rack Mount Kit
RP16	Remote Control Panel, NTSC/EIA version
RP16X	Remote Control Panel PAL/CCIR version

Basic System Diagram

