Honeywell

HXMT16

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16-CAMERA MONOCHROME MULTIPLEXER

Honeywell Video's HXMT16 Monochrome Multiplexer combines the best of today's technology with superior functionality to bring you a versatile multiplexer that can easily be configured to meet your specific installation requirements.

The triplex HXMT16 will simultaneously view, record and play back 16 camera inputs. The multiplexer displays the cameras in a variety of views as well as four user-definable formats. In addition to the main monitor, the HXMT16 supports four separate spot monitors, which can be selected to display a specific camera, the entire sequence of cameras, or a user sequence.

In addition to the unit's convenient front panel controls, the HXMT16's user-friendly, mouse-driven, on-screen menus make setup and operation quicker and easier than ever before. Easy-to-program features such as video motion detection, alarm detection, day/night settings for each camera and processing of alarm events can be set up on screen using a standard PS2 mouse (included). The familiar mouse-driven functionality also allows changes, such as display formats, to be made easily.

The HXMT16's advanced features bring powerful, integrated solutions to your video system. Features like video motion detection, time synchronization of multiple multiplexers, flexible alarm processing and enhanced picture processing provide unparalleled image quality and unsurpassed performance.

The HXMT16 can be controlled remotely with a PC, or with the RapidView HJZTP Dome/Multiplexer Controller. The HXMT16 is part of Honeywell Video's family of multiplexers, featuring products of exceptional value and performance for everyday use.

Features:

- Convenient operation using a PS2 mouse (included) or front panel controls
- User-friendly menu structure for simplified operation and programming
- Main monitor plus four individual spot (auxiliary) monitor outputs
- Simultaneous recording, playback and viewing
- Programmable vector-base motion detection with 256 target (16x16) grid per camera
- RS232 or RS485 control
- Alarm input per camera, selectable polarity
- Supervisor code plus four user codes
- Programmable day and night motion detection schedules
- Multilingual setup menus
- Digital zoom (1x – 32x)
- Capable of decoding tapes from many multiplexers
- On-screen display includes time, date, alarm status, video loss and camera title

FEATURES

Mouse Control

In addition to the front panel controls, the HXMT16 can be operated using a mouse (included with unit). Everyday functions are greatly simplified through use of familiar computer-type functions such as pop-up screens, easy-to-understand menu screens and toggle options. Simply point and click and you can perform all multiplexer operations using this extremely user-friendly interface.

Four Spot Monitors

The Multiplexer supports four independent auxiliary spot monitors. These monitors supplement the main output monitor. Each spot monitor can be used to display a specific camera image, or to scroll through the entire sequence of cameras or user sequence of cameras. The spot monitor view can be changed at any time with a simple click of the mouse. This provides extreme flexibility and eliminates the need for a separate matrix switch system.

System Security Features

The Multiplexer contains four different user passwords and a supervisor code. These four digit codes provide secure access to the various Multiplexer functions. Each camera has programmable options to determine which users can view the camera, which spot monitors can display the camera, and if the camera can be recorded.

Motion Detection

The HXMT16 Multiplexer has a sophisticated motion detection scheme, which can be set up to detect motion change in any direction. The motion detection area and sensitivity can be selected to suit the requirements. In addition, both day and night schedules can be established for motion detection.

Electronic Zoom

Camera images can be electronically enlarged up to a zoom factor of 32. In the zoom mode a screen appears displaying the area of the screen impacted. Simply select the portion of the image to be enhanced, then use the zoom button to enlarge to the desired value. The selected image can then be frozen.

Alarm Processing

The Multiplexer contains an alarm input camera as well as two programmable alarm outputs. The system provides customized alarm response for specific security areas. Up to 16 HXMT16 multiplexers can be linked together.

Three-Way Operation

The system permits simultaneous recording, playback, and live viewing.

Flexible Display Options

The main monitor can display either a full-screen camera view, 2x2, 3x3, 4x4 or PIP (Picture in Picture) display. In addition, there are four user-definable display modes allowing selection of various screen formats and the cameras to appear in each customized view.

Software Management

Bi-directional RS232 or RS485 communications allows software control of multiplexer features. Remote control the unit through Honeywell Video's AKJX8A or Honeywell Video's HJZTP Keyboard/Controller or a PC with third party software management tools.

High Resolution Display

With 720 x 480 pixel output to a VCR, and up to 648 x 448 output to the monitor, the HXMT16 provides high-resolution, true-to-life images for live and recorded events. This performance results in superior surveillance and easier identification.

Alarm History Log

A time-stamped event log displays the last 256 alarm events, including the source of the event, camera number, time, date and the user number.

Multilingual Option

The Multiplexer's screens and menus can appear in English, French, Italian, German and Spanish. Languages can be selected from the setup menu without the need for additional model numbers.

FEATURES

SIMPLE OPERATION (16 Channel example shown below)

Multiplexer Operations

Simply move the mouse to the top of the screen and you are presented with the operational modes for the Multiplexer. Select between Live Mode, Playback, Preview or System Setup. Optional password protection exists for certain functions.

Spot Monitor

It's easy to change the contents of any of the four spot monitors. Simply select the desired spot monitor and select a specific camera, the entire sequence, or a user sequence.

Display View Mode

Simply move the mouse to the bottom of the main monitor screen and the various display options are shown. Choose between a full screen view, PIP (Picture in Picture), 2x2, 3x3, 4x4, or any of the four customizable user-definable views.

Zoom Mode

Upon selecting a camera image, a zoom screen will appear. An inset area allows you to select the portion of the image to zoom (up and down arrows), and the in/out buttons control the zoom factor. The HXMT16 provides an electronic zoom up to 32 times normal.

Functional Operations

Right click the mouse and select functions such as live camera change, zoom, freeze mode or sequence type.

System Programming Main Menu

System programming is simplified through an efficient menu structure. Simply point and click with the mouse to select the desired category, and you will be presented with the appropriate programming options.

SPECIFICATIONS

Other Features:	
Password Protection:	1 supervisor, 4 users
Daylight Savings Time:	Selectable
Sequence Dwell Time:	1 to 99 seconds. OFF
Time Lapse VCR Setup Delay:	2 hr. real time to 960 hr. time lapse
Unit ID Selection:	1 to 255
Camera Number Offset:	1 to 256
Language Selections:	English, German, French, Italian, Spanish
Upgradable Flash Memory:	Yes
RS232 Control:	1200 – 19200 baud RX/TX
RS485 Control:	1200 – 19200 baud RX/TX
Mouse:	Two-button PS2 mouse
Power:	
Power Requirements:	12VDC, 2.5 Amps
Power Adapter:	120/230VAC Universal Adapter
Mechanical:	
Unit Size (W X H X D):	17"W x 1.73"H x 12.2"D (432mm x 44mm x 310mm)
Unit Weight:	5.3 lbs (2.4 Kgs)
Shipping Weight:	9.5 lbs (4.3 Kgs)
Operating Environment:	
Ambient Temperature:	32° F to 95° F (0° C to 35° C)
Ambient Humidity:	10% to 90% non-condensing

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SPECIFICATIONS

Operational:	
Video Standard:	NTSC (525 lines, 60 fields/second) (Model HXMT16) or PAL (625 lines, 50 fields/second) (Model HXMT16X)
Digital Memory:	720 x 480 pixels full screen to VCR, 648 x 448 full active screen, 256 shades of grayscale
Video Levels:	
Camera Inputs (16):	1.0 Vp-p, 75 Ohms
Loop Through Outputs (16):	1.0 Vp-p, 75 Ohms
Composite:	1.0 Vp-p, 75 Ohms
VCR Input:	
Composite:	1.0 Vp-p, 75 Ohms
S-Video:	Luma 1.0 Vp-p, 75 Ohms Chroma (burst) .286 Vp-p, 75 Ohms
Main Monitor Output:	
Composite:	1.0 Vp-p, 75 Ohms
S-Video:	Luma 1.0 Vp-p, 75 Ohms Chroma (burst) .286 Vp-p, 75 Ohms
Spot Monitor Output:	1.0 Vp-p, 75 Ohms (4 outputs)
Motion Detection:	
Activity Grid:	16 horizontal x 16 vertical (256 total)
Sensitivity Levels:	16
Activity Detection:	Intrusion (all motion) or Vector (directional)
Motion Delay Time:	0 to 5 seconds
Motion Hold Time:	1 to 99 seconds
Modes:	Day and night timers, start and stop, selectable for each day of the week
Alarm Operation:	
Alarm Inputs:	16 inputs with polarity selection activated by contact closure or TTL/CMOS signal
Alarm Relays:	2 NO and NC contacts with shared common,1.0A 24VDC (resistive)
Alarm Outputs:	One output per camera, TTL/CMOS Active high or low selection
Screen Display Options:	
Camera Title:	24 characters
Time and Date:	US, Asian, European 12/24 hour formats
Screen Indicators:	Alarm, Motion, Video Loss, Zoom Mode, Freeze Mode, Sequence Mode, Camera Number, Setup Menu

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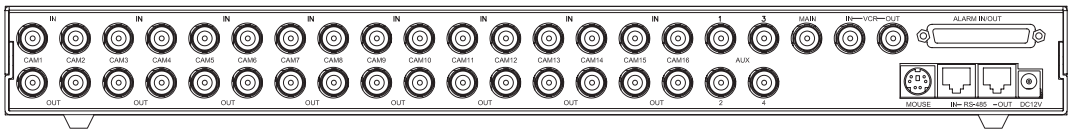

Ordering	
HXMT16	16 Camera Monochrome Multiplexer, Triplex Operation

NOTE: Honeywell reserves the right, without notification, to make changes in product design or specifications.

Honeywell Security
Honeywell Video Systems
2700 Blankenbaker Pkwy, Suite 150
Louisville, KY 40299
1.800.796.CCTV
www.honeywell.com

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