

## HXCT16

### 16-CAMERA COLOR MULTIPLEXER

Honeywell Video's HXCT16 Color 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 HXCT16 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 HXCT16 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 HXCT16'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 HXCT16 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 HXCT16 can be controlled remotely with a PC, or with the RapidView AKJX8A or HJZTP Dome/Multiplexer Controller. The HXCT16 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
- Multi lingual 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
- Multi-format decoding of major manufacturers' multiplexers, including: GYYR, Javelin, Panasonic, Sony and others.



## HXCT16

### FEATURES

#### Mouse Control

In addition to the front panel controls, the Multiplexer 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 user 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 HXCT16 has a sophisticated motion detection scheme which can be set up to detect motion change from 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.

#### 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.

#### 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 has an alarm input camera as well as two programmable alarm outputs. The system provides customized alarm response for specific security areas. Up to 16 HXCT16 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 allow software control of Multiplexer features. Remote control the unit through Honeywell Video's AKJX8A or 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 HXCT16 provides high-resolution, true-to-life images for live and recorded events. This performance results in superior surveillance and easier identification.

#### Multi-Lingual 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.

## HXCT16

www.honeywellvideo.com

### FEATURES

#### SIMPLE OPERATION (16 Channel example shown below)

The powerful features of the HXCT16 Multiplexer are only a point and click away. Here are some of the most commonly used functions:

##### 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 the single spot monitor. Simply select the 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, PIP1, PIP2, PIP3 (Picture in Picture), 2x2 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 HXCT16 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.

## HXCT16

### SPECIFICATIONS

<b>Features:</b>	
<b>Password Protection:</b>	1 supervisor, 4 users
<b>Daylight Savings Time:</b>	Selectable
<b>Sequence Dwell Time:</b>	1 to 99 seconds. OFF
<b>Time Lapse VCR Setup Display:</b>	2 hr. real time to 960 hr. time lapse
<b>Unit ID Selection:</b>	1 to 255
<b>Camera Number Offset:</b>	1 to 256
<b>Language Selections:</b>	English, German, French, Italian, Spanish
<b>Upgradable Flash Memory:</b>	Yes
<b>RS-232 Control:</b>	1200 – 19200 baud RX/TX
<b>RS-485 Control:</b>	1200 – 19200 baud RX/TX
<b>Mouse:</b>	Two-button PS2 mouse
<b>Power:</b>	
<b>Power Requirements:</b>	12VDC, 2.5 Amps
<b>Power Adapter:</b>	120/230VAC Universal Adapter
<b>Mechanical:</b>	
<b>Unit Size (W x H x D):</b>	17" W x 1.73" H x12.2" D (432mm x 44mm x 310mm)
<b>Unit Weight:</b>	5.3 lbs (2.4 Kgs)
<b>Shipping Weight:</b>	9.5 lbs (4.3 Kgs)
<b>Operating Environment:</b>	
<b>Ambient Temperature:</b>	32° F to 95° F (0° C to 35° C)
<b>Ambient Humidity:</b>	10% to 90% non-condensing

## HXCT16

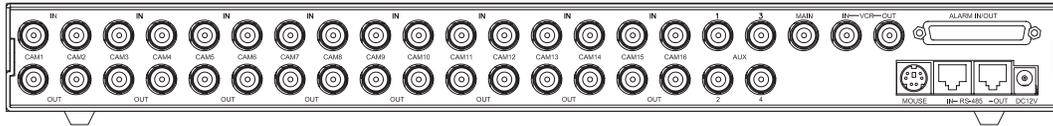
### SPECIFICATIONS

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

# HXCT16

www.honeywellvideo.com

HXCT16



## Ordering

**HXCT16**

16-Camera Color 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

AV05097  
L/HXCT16/D  
October 2005  
©2005 Honeywell International Inc.

**Honeywell**