



# Millenium Color Multiplexers

## Full Duplex

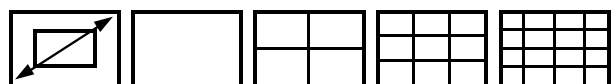
### MODEL MTI-16CD



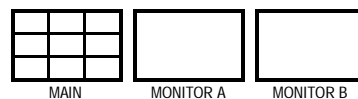
### Plus These Outstanding Advantages ...

- Color High Resolution Display and Recording.  
NTSC 858 x 525 (pixels x lines) maximum  
PAL 864 x 626 (pixels x lines) maximum
- Multi Image Display 1, 4, 9, and 16 pictures on screen.
- Rugged Metal Case approx. 1.5U Height.
- Full Duplex Operation for simultaneous recording and live multi-image monitor or VCR playback.
- True Video Motion Detection for Outdoor Applications with 3 Motion Parameters for alarming on unwanted movement.  
Object Size  
Sensitivity  
262,144 Detection Points with 288 Programmable Zones  
Night / Day Mode and Three Daily On / Off Timers
- Simultaneous Video Activity Detection with sensitivity settings for increasing the camera update rate when movement in any camera is present.
- 16 Alarm Inputs either NO or NC
- Alarm Output NO or NC
- Interactive On - Screen Programming Password Protected
- Auto Configure for PAL or NTSC
- Power Input Voltage Free 100 - 240 VAC 50/60 Hz
- Printer Port for Alarm Log
- Windows Software include for control and programming
- Compatible with Standard VHS or SVHS VCRs
- 2X Zoom with Screen Pan Tilt function
- 3 Monitor Outputs 1 Main Monitor and 2 Analog Call Monitors

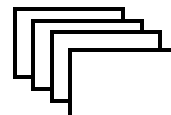
- Programmable Sequences for Analog monitors
- Four Daily Sequence Timers and Multi OSD Language Support
- Video loss Display and Alarm
- Audible and Visual Alarm Responses
- VCR Switcher Pulse Compatible
- 4 Digit Password Protection.
- Remote Keyboard Optional



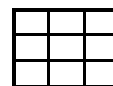
9/16 Channel Recording and Display



Multi-image & Dual Call Monitors



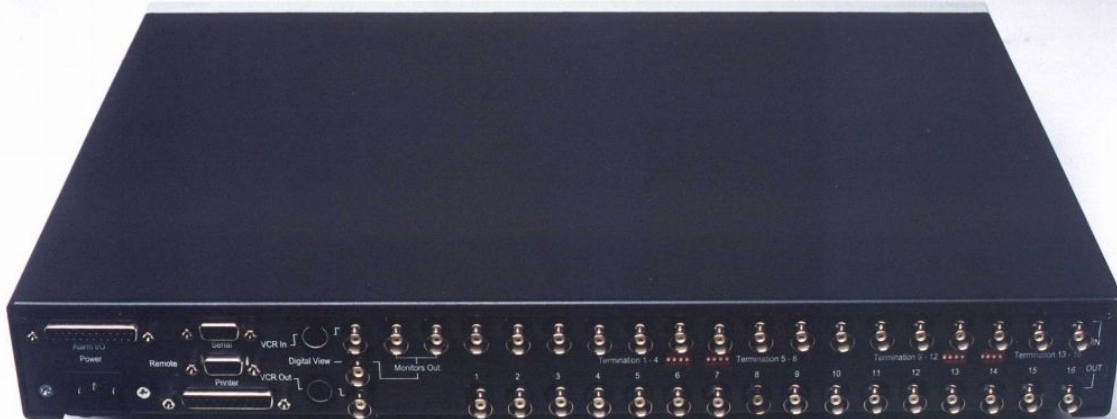
Auto Switching on Call Monitors



Multi-image Alarm Display & Printout



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Designed for use in today's most demanding CCTV surveillance applications, this color, Full duplex video multiplexer features an advanced digital image processing system which allows for simultaneous recording, playback and display of sixteen video inputs on the MTI - 16CD onto a video recorder and monitor. This system, unlike "quad" image processors records only full size images to insure that there is no loss of quality during full-screen image playback.

Main monitor live video input and tape playback display formats include sequentially switched full-screen images, four sequentially switched 2X2 image displays, two sequentially switched 3X3 image displays and one 4X4 image display. 2X zoom of full-screen images is also available in the live display. All displays include the time, date and 20 character video input titles.

A programmable alarm management and reporting system make these multiplexers perfect for unattended monitoring application. This system combines built-in Video Activity Detection (VAD) and Video Motion Detection (VMD) with hard wired alarm inputs (WAI) for total flexibility in alarm management. Individual alarm channel setup options include:

Weekly Format : Mon-Sun, or Mon-Fri and Sat-Sun  
Daily Format : Day and night, three on/off times  
Detection : Off, VMD, WAI, VMD & WAI  
VAD/VMD : Object size, sensitivity and tracking

One, four, nine or sixteen images of each alarm event may be stored to memory at 1 second intervals. These images and the log generated by up to 100 alarm events may be displayed on-screen or can be downloaded to a PC.

Two "call" monitor outputs (A and B) are provided for detailed, full-screen image viewing. For normal mode viewing, each output may be assigned four pre-programmed, timer controlled switching sequences. Single images may be manually called to each output. Alarm generated images are displayed on call monitor A.

## TECHNICAL SPECIFICATIONS

Television Standards	Auto Detect: NTSC, EIA, CCIR, PAL
Power Standards	Auto Detect: 100 - 240 VAC; 50/60 Hz
Resolution (pixels x lines)	NTSC 858 x 525 Maximum NTSC 720 x 480 Normal Monitor Display PAL 864 x 625 Maximum PAL 720 x 576 Normal Monitor Display
Video Inputs	16 : 1V p-p, Composite, Video BNC, Looping
Termination Selection	Each Channel via Dipswitch: HI-Z or 75 ohm Terminated
Video Monitor Outputs	3 : 1V p-p, Composite Video BNC
Main Monitor Display	Full Screen, 4x4, 3x3, 2x2 or 2x Zoomed
VCR Video Inputs	1 : 1V P-P Composite, 75 ohms BNC 1 : SVHS Component Y/C Input
VCR Video Outputs	1 : 1V P-P Composite, 75 ohms BNC 1 : SVHS Component Y/C Output
VCR Control Input	Camera Switcher or VCR Gate Pulse
Call Monitor Displays	2 : Manual, Sequenced or Homed Full Screen Image 4 timed Switching Sequences per day Mon-Sun or Mon-Fri and Sat-Sun
Frame Rate Control	3 Timers per day for changing switching speeds : Mon-Sun, or Mon-Fri and Sat-Sun
Information Displays	Time, Date, 20 Character Titles, setup menus, alarm log and alarm images.

### Time Date Format

Screen Languages  
Wired Alarm Inputs  
Wired Alarm Outputs

Alarm Indication  
Alarm Duration Time  
Video Loss Alarm  
Alarm Images

### Alarm Reports

### Video Motion Detection (VMD)

### Video Activity Detection (VAD)

### Setup Programming

### RS232 Serial Port

Centronics Printer Port  
Security  
Data Port  
Operating Temperature  
Dimensions  
Rack Mounting

### Weight

Color  
Shipping Box Size  
Shipping Box Weight  
Options

Universal Format Selection 12 hr or 24 hr clock  
MM/ DD/ YR, DD/ MM/ YR or YR/ MM/ DD  
English, French, German  
16 : 1 Amp @ 30 V, NO or NC  
1 : NO or NC Programmable Wired and/or VMD Alarms.

Audible and/or Visual  
Up to 4 minutes per alarm input.  
"Video Loss" display and audible alert  
1, 4, 9 or 16 may be stored at on 1 second intervals, displayed or printed as multi-images.

On-screen or printed: channel number, time, date, or auto print every 24 hours  
262,144 detection points per camera, 3 Motion Detection Parameters, 24H x 12V (288)  
Programmable zones Object size, Sensitivity.  
3 Daily Timers per camera for ON/ OFF times, Mon-Sun, or Mon-Fri & Sat-Sun, Day / Night Timer for all cameras  
24H x 12V (288) Programmable zones  
Sensitivity Setting per camera

On-screen menus via keyboard or computer download.

Remote Keyboard or computer download and/ or control

Alarm Report printing  
Four digit Password Protection  
Optional DB9

40-104 degrees F or 5-40 degrees C  
(H 57 mm x W 445 mm x D 312 mm)

Standard 19" rack, 2U

11 lbs (5.0 kg)

Grey case beige Front

450 mm x 560 mm x 110 mm

21.10 lbs (5.5 kg)

Remote keyboard RS-232

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