Genex® Series MX4004CD Multiplexer

COLOR, DUPLEX, 4 VIDEO INPUTS

Product Features

- Full-Duplex Operation

- "Covert" Feature Lets Selected Cameras Be Recorded But Not Displayed During Live Viewing or Playback

- Simultaneous Viewing of Up to Four Cameras While Recording or Playing Tapes

- Advanced Digital Video Processing Provides High Quality Multi-Camera and Full-Screen Displays

- Looping Inputs

- Four-Camera (Quad) Display

- Playback of Other Manufacturers' Tapes* (see note on back)

- Menu Programming for Quick, Easy Setup

- Multi-Language Support: English (Default), French, German, or Spanish

- On-Screen Alphanumeric Display – 12-Character Camera Titles, Time, Date, and Alarm

- Two Independent Monitor Outputs

  – Main Monitor Output – Full-Screen Call-Up, Multi-Camera Displays, VCR Playback, and Sequencing

  – Spot Monitor Output – Full-Screen Call-Up, Sequencing Activity, and Alarms

- Alarm Handling – Priority or Exclusive Alarm Recording and Display

- Compatible with SVHS VCRs and Monitors (Main Output)

- Remote Control via RS-485 Communication Port

- Pan, Tilt, and Lens Control via Coaxitron® **(see note on back)

- Optional Rack Mount Available

The Genex® **MX4004CD** high performance, color duplex multiplexer uses the latest digital video processing technology, providing high-quality recordings and outstanding multi-camera display.

The Genex **MX4004CD** can multiplex up to four cameras for recording on a single VCR. These duplex multiplexers let you view video from single or multiple cameras while recording or playing tapes using regular or time-lapse VCRs.***(see note on back)

The Genex **MX4004CD** lets live or recorded cameras be displayed full-screen or combined with others in a quad display. Cameras can also be displayed sequentially in either full-screen or multi-camera display.

A spot monitor output can be used to display full-screen cameras manually, sequentially, or as a result of alarms.

The Genex **MX4004CD** is easy to use; offers intuitive push-button controls for operation; and has password-protected, on-screen menus for easy system setup.

An optional rack kit (RK100) is available for mounting one or two units in a standard 19-inch EIA rack or console.

TECHNICAL SPECIFICATIONS

MODELS

MX4004CD	4-channel, color duplex multiplexer, NTSC, 12 VDC (±10%)
MX4004CD-X	4-channel, color duplex multiplexer, PAL, 12 VDC (±10%)

VIDEO

Input Level	1 Vp-p, composite
Video Standard	
NTSC	525 lines, 60 fields/second
PAL	625 lines, 50 fields/second
Digital Image	720 (H) x 480 (V) pixels full screen
	1,440 bytes horizontal memory
	12 MB display image memory
	8-bit luminance, 256 shades of gray
	8-bit chrominance, over 16 million colors
Format	CCIR 601 4:2:2
Sampling Rate	13.5 MHz
Geometric Error	Less than 1 percent, all modes
Analog Processing	
Bandwidth	20 MHz
Differential Phase	Less than 2 degrees
Differential Gain	Less than 2 percent
Character Generator	Bit mapped
Display	White with black border
Program Menus	Raster background with white characters

ELECTRICAL

Operating Voltage	12 VDC (± 10 %)
Power	Less than 10 watts
Video Inputs	Four, BNC, looping with rear DIP switch selectable termination, 75 ohms or Hi-Z
Monitor Outputs	Two
Main	BNC, 75 ohms
	4-pin mini-DIN, Y/C output (SVHS)
Spot	BNC, 75 ohms
VCR Inputs	One
VCR In	BNC, composite, 75 ohms
	4-pin mini-DIN, Y/C input (SVHS)
VCR Outputs	One
VCR Out	BNC, composite, 75 ohms
	4-pin mini-DIN, Y/C output (SVHS)
Alarm Inputs	4 individually programmable for N.O. or N.C.
Alarm Outputs	One

GENERAL

Operating Temperature	32° to 122°F (0° to 50°C)
Relative Humidity	90%, non-condensing
Construction	Aluminum
Finish	Black
Dimensions	1.7" H x 8.4"W x 12.2" D (4.3 x 21.3 x 31.0 cm)
Unit Weight	4 lb (1.8 kg)
Shipping Weight	5 lb (2.26 kg)

CERTIFICATIONS/PATENTS

- CE
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B
- U.S. Patent pending

OPTIONAL ACCESSORIES

KBD4000**	Full-function keyboard controller; joystick control of pan and tilt functions. Use with Genex multiplexer and server.
KBD4002**	Same as KBD4000 except keyboard control of pan and tilt functions.
MX4000SVR	Multiplexer server, 120 VAC, 60 Hz, for use with NTSC and RS-170 format multiplexers. Provides centralized control of up to 8 multiplexers by one or more operators.
MX4000SVR-X	Same as MX4000SVR except 230 VAC, 50 Hz, for use with PAL and CCIR format multiplexers.
RK100	Rack mount kit (1 RU) for mounting one or two MX4004 Series Multiplexers in a standard 19-inch rack. Blank filler panel provided.

*Pelco Genex multiplexers can normally decode tapes made with other manufacturers' multiplexers. However, Dedicated Micros models DM/SPG4/S/N/090 and DM/SPC4/D/N/6M must be properly programmed to create tapes that are compatible with Genex multiplexers. Tapes made with DM model SPR2AS/C/M/M are incompatible. (Refer to Tech Tip 00-3038 for details.)

**When used with 15-bit standard Coaxitron receivers (such as the CX9000 Series, the PT7700, and the ED25/27/28/29), the KBD4000 supports all pan, tilt, and lens functions and auxiliary on/off. It does not set or call presets, or support preset scan. When used with 32-bit extended Coaxitron receivers (such as Intercept®, Spectra®, and Legacy® LRD41C21/LRD41C22 Series), the KBD4000 supports all the above functions, including setting and calling presets and patterns. It does not support programming of preset or pattern labels. If labels for presets or patterns are required, they need to be programmed with a different control, such as the MPT9500.

***MX4004 multiplexers do not record and play back simultaneously.