

Color 16-channel, Duplex, Digital Transport Multiplexer™

- 60 fps duplex multiplexing capability
- Three View Systems™ with live cameras and playback images on the same screen
- Digital video recording expansion using the digital transport connection and the DSR-3000 Digital Video Recorder
- Digital cascading of the main monitor using the digital transport connection and up to 4 MPX-CD163 or MPX-CD93 Digital Transport Multiplexers
- 4-output matrix switching capability to provide a 16 x 4 mini-matrix system
- Timer programmable switching and recording with up to 4 timers
- Programmable camera masking to prohibit cameras from being viewed
- Coaxial control system for PTZ dome camera control
- Advanced motion detection with sensitivity, location, direction and spray criteria
- Two-level security lock system including passwords for operation and menu setup levels
- Remote setup and control using the new VSP-8000 System Controller
- RS-485 and RS-232 control capability
- Multi-manufacturer tape decoding
- External alarm or motion alarm for alarm interleaved recording
- VCR output settings for either time-lapse, real-time, high-density, or switch-pulse control
- Three year warranty

MPX-CD163



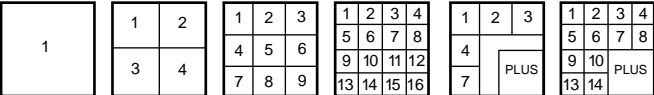
MPX-CD163

COLOR 16-CHANNEL, DUPLEX, DIGITAL TRANSPORT MULTIPLEXER

Main Features

- **Digital Cascadable Multiplexer Connection** – Up to four multiplexers can be connected in series through the digital transport terminal. The main monitor output from each multiplexer can be displayed on the main monitor of the first multiplexer in series. This allows easy control of the entire system and reduces equipment requirements.
- **Digital Video Recording Expansion** – Digital output and input through the digital transport terminal with new DSR-3000 will offer high digital-to-digital picture-quality recording system without any picture degradation found with the traditional integration between analog multiplexers and digital storage devices.
- **Mini-Matrix Switcher System** – The unit comes equipped with 4 spot monitors to make up a 16 input by 4 output matrix switcher system, capable of individual dwell time programmability on each output as well as salvo switching. These outputs are in addition to the main multi-screen output for multiplexed display.
- **Timer Programmable Switching and Recording** – Four timers divide one day into four spans. These timers can be assigned to switching and display functions of the built-in matrix as well as the cameras to be output on the recording output. This allows easy automation of these functions on the system.
- **Coaxial Control System** – Coaxial cable can transmit not only a video signal but also control signals for pan/tilt/zoom cameras. The MPX-CD163 has the drivers built-in to allow coaxial control of some of the leading manufacturers' PTZ dome cameras on the market.
- **Advanced Motion Detection** – The unit provides an advanced motion detection that includes sensitivity, location, spray, and direction as criteria for a valid motion alarm. This is substantially different than traditional activity detection.
- **Password Security Lock System** – Security of the system has been elevated with a two level password protection system that locks the system at the operation level and the programming level.
- **Complete System Control** – When combined with the VSP-8000 system controller, the entire system can be controlled, including the MPX-CD163 Digital Transport Multiplexer, DSR-3000 Digital Video Recorder, coaxial controlled dome cameras, and other SANYO peripheral devices.

Specifications

MODEL	MPX-CD163
Video Input	16 (BNC x 16)
VCR In	2 (BNC x 1/S-Video x 1)
Digital In	1 (RJ45 x 1)
Video Output	16 (BNC x 16) (loop through out)
VCR Out	2 (BNC x 1, S-VHS x 1)
Digital Out	1 (RJ45 x 1)
Main Monitor Out	2 (BNC x 1, S-VHS x 1)
Spot Monitor Out	4 (BNC x 4)
Pixel Resolution	720 x 464
Color	8 Bit
Gray Scale	256 Steps
Menu Language	English/Spanish/French
Title	10 Characters
Title Position	Adjustable (up or down)
Display	
Clock setup	Day/Month/Year/Hours/Minutes/Seconds 2 timer 4 time spans TIMER A,B TIME-1 to 4 Auto day light saving
Display Setup	
Title Position	Up/Down
Multi Display	Position Change QUAD/ MULTI 9 / MULTI 16
Monitor Sequence	1 to 30sec individual setup per monitor, or per camera. Camera ON/OFF setup with timer operation
Quad Sequence	1 to 30sec
Monitor Mask	ON/OFF setup per camera with timer operation (for the hidden camera)
Main>Spot1	ON/OFF (Same display as main monitor on spot monitor 1)
Digital connection	Main/Sub 1-3 (Series connection) /DVR/OFF
VCR Setup	
VCR mode	DVR/TLS/REAL
Rec. speed	60fps-30s(DVR) / 3-960h(TLS) / 6-960h(REAL)
Rec. picture	1-99
Program Rec.	MODE:ONLY/MODE1/MODE2 /OFF ON/OFF (Individual camera with timer operation)
Alarm Setup	
Alarm operation	Ext. /Motion /Ext.or Motion/Ext. and Motion
Buzzer	ON/OFF
Duration	1/2/3/4/5/10 to180sec/CC/NC (Individual duration time for each camera)
Re-trigger	ON/OFF
Main Monitor Out	FULL/9multi/16multi/NC
Double alarm	Switch/First/Last
Spot Monitor Out	ON/OFF (per 4 spot monitors)
Active Rec.	Ext. /Motion/Ext. or Motion MODE:ONLY/MODE1/MODE2
Motion sensor	Sensor: 16x10 points sensor/ch
Detect mode	A / A and B / A and NB / B to A / C
Sensitivity	1 to 10 / OFF
Video Loss	Still picture / color bar pattern ON/OFF setting
Timer operation	A/B 2 timer and 4 separated programmable time spans
Programmable item	Program Rec./ Sequence program for each monitors Monitor Musk / Sensitivity of motion sensor
Control Signal	
RS232C	D-SUB 9pin (for PC)
RS485	RJ11 x 2 , Push lock x 1(pair) (for SSP)
Alarm in	16 Inputs (Normal 5v Low level active)
Alarm out	1 Output (Normal 5v Low level active)
Sensor Alarm out	16 Output(Normal Open Low level active)
SW in	1 Output (Normal 5v Low level active)
R/C in	2 Input for resistor alley switch
Power	120 VAC 60 Hz
Power consumption	18W
AC inlet	3 Pin (cable:3 pin 1.8m)
Operating Conditions	41°F to 104°F (5°C to 40°C) at 10% to 80% Relative Humidity
Size (WxHxD)	16.5" x 3.4" x 13.8" (420mm x 86mm x 350mm)
Weight	9.7lbs (4.4kg)

Specifications and product design are subject to change without notice.

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