

VIDEOTRAK



Introduction

M640 matrix switcher is 72 x 8 Video/Audio modular matrix achieves microprocessor-based, high-density matrix architecture. The construction of its flexible configuration is composed of Matrix Bay, Video Input Module, Video Output Module, Audio Module and Alarm Module.

The Matrix Bay is the basic unit. It has 17 slots to let you plug in and play Video, Audio and Alarm Module in the Matrix Bay. The system design is perfectly suitable for small-size CCTV projects. The Matrix Bay maximum consists of 72 video input by 8 monitor output. Convenience and friendly operate interface and OSD screen display function, all of the matrix functions and peripheral device can be setup by menu.



Main Features

- M640 Matrix can be linked up to 32 units of VIDEOTREC ® Series Matrix.
- Modular design, maximum of 72 video inputs, 8 monitor outputs.
- 6 video inputs per video input card, 2 video outputs per video output card.
- 6 audio inputs per audio input card, 4 audio outputs per audio output card.
- Selectable 16 alarm input cards and 8 alarm input cards.
- Optional audio input/output rack and alarm rack, can be linked up to 256 units.
- Selectable on-screen display: each monitor can display the date/time, video input number, 16-character user definable video input title. (English or Chinese characters, options for others)
- Update firmware or setup menu via PC Windows.
- System self diagnosis and video loss detection.
- One activated alarm can trigger a maximum of 5 camera image displays with individual dwell time (1 ~ 99 sec.), alarm dwell time. (1 ~ 99 sec.) 100 sets of alarm message can be edited by user.
- 8 sequence tours, each sequence is composed of 32 steps of video input.
- Programmable 16 salvos, allowing multiple video inputs to be called simultaneously to multiple continuous video outputs.
- Salvo switching time 1 ~ 99 seconds, manually call or auto run.
- Fixed and variable-speed pan/tilt/zoom and dome control through VIDEOTREC ® Series keyboard.
- Up to 16 units of VIDEOTREC ® Series keyboard can be linked.

M640 Audio/Video Matrix System

Technical Specification

- Video Input : Maximum 72
- Video Output : Maximum 8
- Amplitude Of Video Input : 1Vp-p 75Ω
- Amplitude Of Video Output : 1Vp-p 75Ω
- Maximum Keyboard Link : 16
- Text Insert : Black and white
- Communication Mode : RS485x1, RS232x1
- Communication Rate : 1200 ~ 9600 bps
- Signal/Noise Ratio : 70dB
- Adjacent Channel Cross Talk : -55dB
- Input and Output : -65dB
- Video Transmission Distance : 400M
- Data Transmission Range : 1.5Km
- Band Width : 15MHz
- Gain : 0dB ± 0.5dB
- Environmental Temperature : -10°C ~ +50°C
- Environmental Humidity : 95%
- Power Supply : AC 110V/220V 60Hz
- Power Consumption : 90W
- Output of Alarm Linked Relay : 0.5A
- Relay Type : NO / NC
- Dimension : 445 × 135 × 310 (W×H×D)
- Weight : 10Kg

Order Information

- M640-PB CPU Module + Power + Matrix Bay
- M640-VIC 6 Video Input Card
- M640-VOC 2 Video Output Card(Looping)
- M640-AIC 6 Audio Input Card
- M640-AOC 4 Audio Output Card
- M640-ALMB 16 Alarm Input Card
- M640-ALMC 8 Alarm Input Card

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