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## **KTD-348** Matrix Switcher

### **Overview**

The KTD-348 is a matrix video switcher that is designed for use in midsize CCTV systems. Three versions are available: the KTD-348-164, which accepts 16 video inputs and provides 4 video outputs; the KTD-348-324, which accepts 32 inputs and provides 4 outputs; and the KTD-348-328, which accepts 32 inputs and provides 8 outputs. Expansion kits are available to KTD-348-164 and KTD-348-324 owners who wish to increase their unit's matrix switching capabilities.

### **Outstanding Features**

The KTD-348 features looping video inputs, programmable alarm inputs, and an RS232 port for operation from a computer. An output port is provided for relay follow.

The KTD-348 can also annotate the monitor display with a camera title. Titles can contain up to 13 alphanumeric characters and can be placed on any of 10 different lines. When a KTS-253 series generator is connected to its digital line, the KTD-348 can also superimpose the time and date on the video output.

Up to 64 keypads can control the KTD-348 from remote locations via twisted-pair cable. Standard Digiplex® protocol enables the unit to be programmed for camera sequence tours as well as individual or universal dwell times.

All ICs are socketed for easy removal and replacement. A 115 VAC/12 VDC external wall transformer is supplied for chassis power. Sold separately are rack-mount ears, which can mount the KTD-348 in a standard 19-inch rack.



### **Standard Features**

- **Expandable matrix switching capability: from 16 x 4 to 32 x 8**
- **Programmable alarm inputs**
- **Looping video inputs**
- **Up to 64 control points**
- **Digiplex protocol**
- **RS422 communication over twisted-pair cable**
- **12 VDC power supply provided**
- **BNC connectors for video**
- **Rack-mount ears available for mounting in 3.5 inches of vertical rack space**



# KTD-348

## Matrix Switcher

### Specifications

#### Electrical

- Input voltage: 12 VDC or 9 VAC
- Input power: 15.5 VA

#### Video

- Inputs: 16 or 32 looping
- Outputs: 4 or 8
- Bandwidth: 32 MHz at -1.5 dB 50 MHz at -3 dB
- Signal/noise: -60 dB (RMS rel. 1 V p-p)
- Gain: 0 dB  $\pm$  1 dB
- Impedance: 75 ohm, inputs and outputs

#### Connections

- Alarms, RS232, RS422: Removable barrier strips
- Power: 2-conductor 5 mm coaxial jack
- Video: BNC connectors

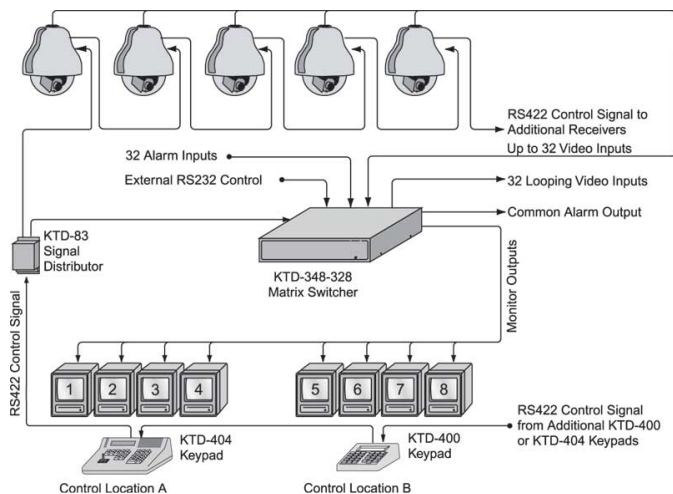
#### Mechanical

- Weight: 10.15 lb (4.6 kg)
- Top and bottom material: 8-ga CRS black polyurethane enamel
- Front and side panels material: Black anodized aluminum

#### Accessories

- KTD-00-348 Rack-Mount Ears: For installing the KTD-348 in a standard, 19 in rack.
- KTD-01-348 Input Expansion Kit: Increases video inputs from 16 to 32.
- KTD-02-348 Output Expansion Kit: Increases video outputs from 4 to 8. KTD-01-348 required.

### Related Diagram



### Ordering Information

#### KTD-348-

- 164** 16 x 4 matrix switcher system (includes 32 alarm inputs, one RS232 port)
- 324** 32 x 4 matrix switcher system (includes 32 alarm inputs, one RS232 port)
- 328** 32 x 8 matrix switcher system (includes 32 alarm inputs, one RS232 port)



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