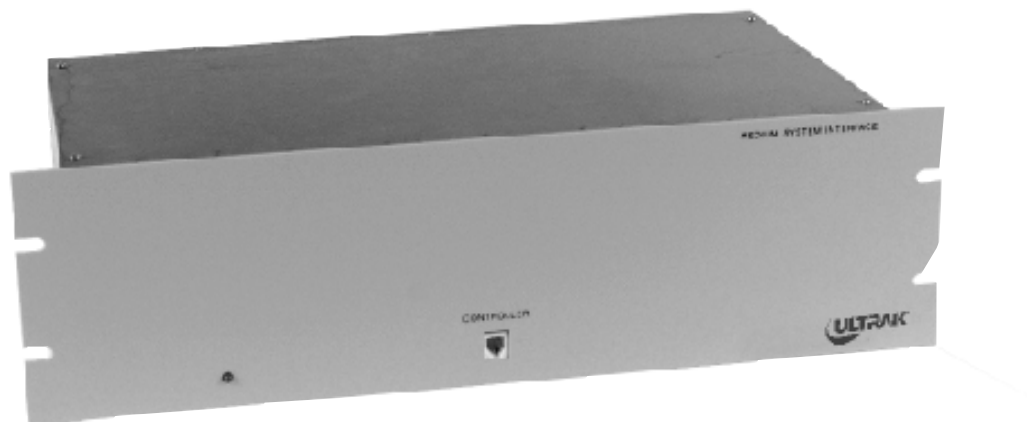


# MSI100

**DIAMOND SERIES MEDIUM SYSTEM INTERFACE UNIT**

**32 x 4 Matrix, Alarming Switcher**



The MSI100 provides all the features of a large multiple-unit control and switching system in one economical rack-mountable (MSI100R) or desktop (MSI100DT) unit.

The MSI100 provides the interface for four JPD-100P joystick controllers for pan/tilt/zoom and focus control for up to 32 Ultrak High Speed Domes. Each Ultrak High Speed Dome can be programmed to travel upon command up to 100 positions (PreShots). Up to 64 PreShots can be linked together to perform up to 10 video guard tours (VectorScans). The MSI100 can perform these actions automatically in response to events or date and time.

Up to 32 external alarm contacts to initiate one or more PreShots, one or more VectorScans, video switching (calling up a camera to a monitor and/or VCR), video sequencing and auxiliary control such as video recording. Two contact outputs are provided for VCR control.

- **Control up to 32 Ultrak High Speed Domes**
- **32 input x 4 -output video switcher (expandable to 64 x 8)**
- **32 alarm contact inputs**
- **2 alarm contact outputs for VCR activation**
- **4 JPD-100P joystick control inputs**
- **On-screen programming and help menus**
- **24-hour clock for time initiated events**
- **Stores up to 100 MultiCall files**
- **Video switcher & control partitioning**
- **Password protected system programming**
- **50/60 Hz compatible**
- **UL & CE certified**
- **Built-in character generator**
- **3-year limited warranty**



# MSI100

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

Input Voltage	120V ac, 50/60Hz
Power Consumption	20W
Video Inputs	32
Video outputs	2
Video Signal Format	EIA/NTSC and CCIR/PAL
Video Input	1.0Vp-p, 75 Ohms, unbalanced
Video Output	1.0Vp-p, Hi-Z looping or 75 Ohms, unbalanced (depending on version)
Alarm Inputs	32
Contact Outputs	2
Control Input Mode	RS-485
Control Output Mode	RS-485
Communication Speed	9600 baud
Cable Requirements	Twisted pair cable, shielded, AWG 22
Operating Distances	4,000', maximum 10 domes per link

### MECHANICAL

Connectors:  
Front Panel One RJ-11-E, 6-pin telephone type connector for JPD-100P controller

Rear Panel:  
32 BNC connectors for video input  
Four BNC connectors for video output  
One 5-position plug-in terminal block for joystick controller  
One 4-position plug-in terminal block for contact outputs  
One 12-position plug-in terminal block for dome outputs  
Two 24-position plug-in terminal blocks alarm inputs  
One IEC-20 power input connector  
Two 34-pin header connectors for ribbon cable (future exp.)  
One input expansion connector (future exp.)  
Four input expansion BNC connectors (future exp.)

Construction Metal chassis  
Finish:  
Front Panel Pearl white  
Chassis & Rear Panel Alodine 1200

Dimensions:  
Rack Mount 19W x 5.22H x 10.6D in.  
(483W x 133H x 269D mm)  
Desktop 17.1W x 5.0H x 11.3D in.  
(434W x 127H x 287D mm)

Weight 9.1 lbs (2.3 kg)

### GENERAL

Operating Temp. -40°F - 167°F (-40°C - 75°C)  
Humidity 10% - 95% (non-condensing)

### OPTIONS

MSI100RI Rack mount  
MSI100DTI Desktop

### RECOMMENDED CONTROL EQUIPMENT

**JPD-100P** RS-422, desktop 3-axis proportional controller for pan/tilt/zoom control, focus and iris on separate toggle switch. Also includes 8 quick keys for MultiCall functions. Operates all Ultrak High Speed Domes using MSI100. A maximum of 4000' is possible between JPD-100P controller or control interface and last dome in link, up to 10 domes per link. (One required per system.)

### RECOMMENDED CONTROL EQUIPMENT (CON'T)

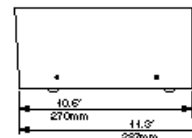
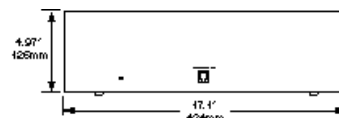
**KBD-100A** Programming keyboard to provide full dome programming capabilities including programming PreShots (predefined camera position), VectorScans (multiple PreShots linked together in a tour), and sector ID's. (One required per system.)

**COE08** The COE, code expander units, are used to expand the number of dome data outputs of the MSI100 switchers. The units are available in 8 channel desktop or rack-mount versions

### RECOMMENDED DOMES

#### All Ultrak High Speed Programmable Domes

### MSI100



Conversion: 1" = 25.4 mm  
Measurement conversions are approximate

*Design and specifications subject to change without notice.*

Conversion: 1" = 25.4mm  
Measurement conversions are approximate

#### Ultrak Worldwide Support Center:

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