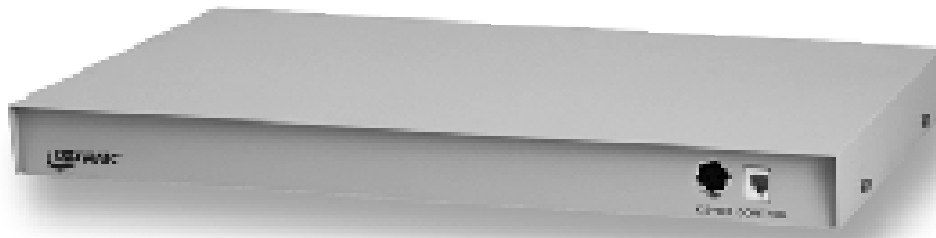


# SSI100

**DIAMOND SERIES SMALL SYSTEM INTERFACE UNIT**  
**8x2 MATRIX, ALARMING SWITCHER**



The SSI100 provides all the features of a large multiple-unit control and switching system in one economical rack-mountable (SSI100R) or desktop unit (SSI100DT).

The SSI100 provides the interface for one JPD-100 joystick controller for pan/tilt/zoom control for up to 8 Ultrak High Speed Domes. Each dome can be programmed to move upon command to up to 100 preset positions (PreShots). Up to 64 PreShots can be linked together to perform up to 10 Video Guard Tours (VectorScan). The SSI100 can perform these actions automatically in response to events or date and time.

Up to 12 external alarm contacts can 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 are provided. Two contact outputs are provided for external device control.

- Control up to 8 Ultrak High Speed Domes
- 8 input x 2 output video switcher
- 12 alarm contact inputs
- 2 alarm contact outputs for external device activation
- 1 JPD-100 joystick control input
- On-screen programming & help menus
- 24-hour clock for time initiated events
- Stores up to 10 MultiCall files
- UL & CE certified
- One RS-232 communication port
- 50/60 Hz compatible
- Programming keyboard connection
- 3-year factory warranty



# SSI100

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

Input Voltage	120V ac, 50/60Hz
Power Consumption	20W
Video Inputs	8
Video Outputs	2
Video Signal Format	EIA/NTSC & CCIR/PAL
Video Input	1.0Vp-p, 75 Ohms, unbalanced
Video Output	1.0Vp-p, 75 Ohms, unbalanced
Alarm Inputs	12
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	<ul style="list-style-type: none"><li>• One RJ-11-E or RJ-12C, 6-pin telephone type connector for JPD-100 controller</li></ul>
Rear Panel	<ul style="list-style-type: none"><li>• 1 DIN connector for programming keyboard</li><li>• 8 BNC connectors for video input</li><li>• 2 BNC connectors for video output</li><li>• One 4-position plug-in terminal block for contact outputs</li><li>• One 5-position plug-in terminal block for dome outputs</li><li>• Two 8-position plug-in terminal blocks</li><li>• Alarm inputs</li><li>• One IEC-20 power input connector</li></ul>
Construction	Metal chassis
Finish:	
Front Panel	Pearl white
Chassis & Rear Panel	Alodine 1200
Dimensions:	
Rack Mount	19W x 1.8H x 10.3D in (482.6W x 45.7H x 261.6D mm)
Desktop	17.2W x 1.7H x 11.3D in (436.9W x 43.2H x 33D mm)
Weight	5 lbs (2.3 kg)

### GENERAL

Operating Temperature	32°F - 113°F (0°C - 45°C)
Storage Temperature	-40°F - 158°F (-40°C - 70°C)
Ambient Humidity	0% - 95% (non-condensing)

### OPTIONS

SSI100R	Rack mount
SSI100DT	Desktop

### RECOMMENDED CONTROL EQUIPMENT

**JPD-100** 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 the all Ultrak High Speed Domes using SSI100. A maximum of 4000' is possible between JPD-100 controller or control interface and last dome in link, up to 10 domes per link. (One required per system)

**KBD-100A** Programming keyboard to provide full programming capabilities for all high speed domes 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 SSI100 or MSI100. The units are available in 8 channel desktop or rack-mount versions.

### RECOMMENDED DOMES

#### All Ultrak High Speed Programmable Domes

Design and specifications subject to change without notice.

*Design and specifications subject to change without notice.*

Conversion: 1" = 25.4mm  
Measurement conversions are approximate

#### Ultrak Worldwide Support Center:

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