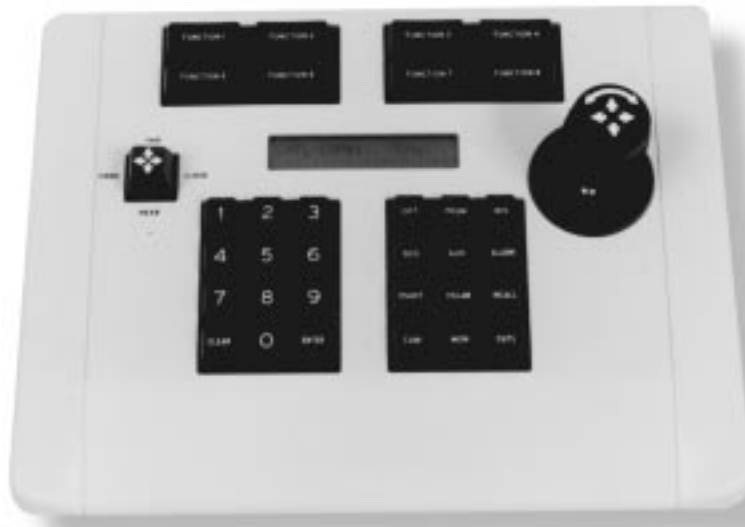# JPD Series
JOYSTICK CONTROLLER

The JPD100, JPD101, and JPD100P are joystick telemetry controllers capable of controlling all Ultrak® programmable high speed domes (including Ultra Dome KD6) to provide pan/tilt motion control and zoom lens functions.

The JPD100 Series allows programming of all preposition settings (PreShots), guard tours (VectorScans), sector ID's, patterns, camera set-up parameters, international language prompts and alarm data.

A built-in L.C.D. shows operator prompts, system messages, camera selections and monitor selections. Eight "Quick-keys" can start or stop a MultiCall function. A "MultiCall" can consist of multiple PreShots, multiple VectorScan files etc., selected video switching or video recording, when used with recommended control equipment.

The 3-axis joystick provides both direction and velocity control for pan/tilt/zoom functions. A rate-proportional increase in joystick deflection yields a like increase of pan/tilt speed. Rotating the knob on the joystick provides the zoom function. The lens (near/far) and iris (open/close) functions are controlled by a four position toggle switch.

- **Rate proportional joystick**

- **Ergonomic desktop/hand held design**

- **Tactile feedback keypad with L.C.D. indicators**

- **Controls up to 250 Ultrak® programmable domes for P/T/Z control**

- **JPD100P is designed specifically for control of MSI100 matrix control system**

- **JPD101 is ideal for stand-alone dome control**

- **Provides eight "Quick-keys" for single push-button control of system functions.**

- **RS-422 data control up to 4000 feet per link**

ULTRAK®

JPD Series

TECHNICAL SPECIFICATIONS

MODELS

JPD100 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 SSI100 or CCU100 and DIA-01. A maximum of 4000' is possible between JPD100 controller or control interface and last dome in link, up to 10 domes per link.

JPD100P Same as above except operates with the MSI100.

JPD101 Stand alone version of JPD100, can control all Ultrak® high speed domes. Requires DIA01 or DIA02.

ELECTRICAL

Input Voltage	5V dc
Power Consumption	2W
Power Source:	
JPD100	SSI100, DIA-01
JPD101	DIA01, DIA02
JPD100P	MSI100
Controls	Push-button switch with L.C.D. display rate-proportional 3-axis joystick, 4 position toggle switch
Pan/Tilt Functions	Pan left, pan right, tilt up, tilt down
Zoom Lens Functions	Zoom in, zoom out, focus near, focus far, iris open, iris close
Control Ports	RJ-12C connector for quick disconnect
Keyboard Port	5 pin DIN for KBD-100A
Communication Speed	9600 baud
Cable Requirements	Twisted pair cable, shielded, AWG 22
Control Output Modes	RS-422
Operating Distances	4,000', maximum 10 domes per link

MECHANICAL

Construction	Die-cast aluminum chassis
Finish	Beige paint
Dimensions	11.8W x 1.9H x 8.9D in. (300W x 48H x 226D mm)
Weight	3 lbs (1.36 kg)

GENERAL

Ambient Temperature	32°F - 122°F (0°C - 50°C)
Ambient Humidity	0% - 95% (non-condensing)

RECOMMENDED DOMES

Complete Ultrak® family of high speed domes

RECOMMENDED CONTROL EQUIPMENT

DIA01 Control Interface Adapter, provides 5V dc power and data interface for JPD100 or JPD101 joystick controllers.

DIA02 Dual control Interface Adapter, provides 5V dc power and data interface for two JPD101 joystick controllers.

KBD100A 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.

MSI100 Medium System Interface for the JPD100P to control up to 32 Ultrak® domes. Includes 32 input x 4 output video switcher, 32 alarm inputs, 2 auxiliary contact outputs, 4 control ports and 4 dome data ports.

SSI100 Small System Interface for the JPD100 to control up to eight Ultrak® domes. Includes 8 input x 2 output video switcher, 12 alarm inputs and 2 auxiliary contact outputs.

COE08 The COE, code expander units, are used to expand the number of Ultrak® programmable domes directly controlled by the JPD101. The units are available in 8 channel desktop or rack-mount versions (also available in 16 output versions). Each channel is capable of supplying information to 10 dome units with a maximum of 4000' per data link.

MUX05 Joystick multiplexing unit which provides control expansion capability for up to five JPD101 controllers and 7 data link outputs. A maximum of 4000' is possible between the MUX05 and individual joystick controllers. The units are available in desktop or rack-mount versions.

Design and specifications subject to change without notice.

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Conversion: 1" = 25.4mm
Measurement conversions are approximate

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