

Digital Servo Pan/Tilt Head **C2N-CAMIDSPT**

The C2N-CAMIDSPT is a state-of-the-art camera pan/tilt head offering ultra fast and precise camera and lens control for videoconference rooms, courtrooms, council chambers, and more. The compact device supports a vast range of popular cameras and lenses weighing up to 15 lbs (6.8 kg), affording precision control over XY positioning, zoom, focus, iris, color adjustment, and other functions.

Interfacing the C2N-CAMIDSPT to a Crestron control system is simple with all communications provided via the Cresnet control network. Manual control of every camera and lens function is possible using a Crestron joystick controller or touchpanel, with 100 user presets available onboard the C2N-CAMIDSPT and virtually unlimited presets possible via non-volatile memory within the control system.

The C2N-CAMIDSPT employs pulse-width modulation and digital servo technology to attain ultra smooth, ultra fast response with remarkably quiet operation. Nearly 360 degrees of pan and 180 degrees of tilt travel provide essentially limitless movement with extremely precise positioning achieved using digital optical encoders instead of analog potentiometers. Adjustable hard stops on both pan and tilt axes can be set to limit movement and prevent potential damage to the camera and lens. Setup is made easy using the built-in 5-way mini joystick to provide local position and lens control.

External plug-in personality modules define the lens configuration, with modules provided for 6, 8, and 12 Volt motorized lenses as well as 2.5 to 7.5 Volt servomotor lenses. Both "position" and "speed" modes are available for



controlling servomotor lenses, allowing immediate movement to a specified position as well as smooth variable speed control. Lenses equipped with potentiometer feedback are also supported, and a fully programmable RS-232 port is built in to provide bidirectional communication for control of serial-controllable cameras and double hot shoe type lenses.

SPECIFICATIONS

Performance

Pan travel: ±177° using soft stops; ±170° using hard stops

Tilt travel: ±90° using soft or hard stops\

Pan speed: 60 degrees per second maximum

Tilt speed: 60 degrees per second maximum

Repeatability: ±3 arc minutes

Weight capacity: 15 lbs (6.8 kg) maximum (properly balanced load)

Presets: 100 stored locally; unlimited via Cresnet

Connectors

LENS: (1) DB15HD female

Output voltages: ±12V, ±8V, or ±6V motor; 2.5/7.5V servo
Provides zoom, focus, and iris control plus additional lens functions

RS-232: (1) DB9 male

Bidirectional RS-232 port for device control and firmware upload
Up to 38.4K baud

Hardware and software handshaking support

NET: (1) 4-pin 5mm detachable terminal block

Connects to Cresnet control network

Controls

Local control: (1) 5-way miniature button/joystick for local position and lens control

SETUP: Used for touch-settable ID (TSID)

LED Indicators

PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network

NET: (yellow) Indicates communication with Cresnet system

SETUP: (red) Indicates TSID or download in progress

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C2N-CAMIDSPT

camera control

AVAILABLE ACCESSORIES

- ▶ **C2N-CAMIWMT**
Wall Mount
- ▶ **C2N-CAMICMT**
Ceiling Mount
- ▶ **CNSP-XX**
Custom Serial Interface Cable
- ▶ **CNPWS-75**
75 Watt Cresnet Power Supply
- ▶ **C2N-SPWS300**
300 Watt Cresnet Power Supply

CAMERA CONTROL

→ Pan/Tilt Head

C2N-CAMIDSPT Digital Servo Pan/Tilt Head (continued)

Power Requirements

Cresnet Power Usage: 60 Watts (2.5 Amps @ 24 Volts DC)
Requires dedicated CNPWS-75 or dedicated channel of C2N-SPWS300, both sold separately

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Wall or ceiling mount installation (mounts sold separately)

Dimensions

(Not including camera or camera bracket)

Height: 6.52 in (16.56 cm)

Width: 5.52 in (14.02 cm)

Depth: 5.49 in (13.94 cm)

Weight

12 lbs (5.45 kg)

camera control

C2N-CAMIDSPT