

FEATURES

- *Proportional DC pan and tilt camera focus and zoom motor control.*
- *Three visible light and Four IR, built-in camera personalities.*
- *Remote programmability function provides capability of adding camera personalities.*
- *64 programmable presets.*
- *Auto-pan feature with programmable limits and rate.*
- *Two user accessible programmable discrete control lines.*
- *Two Serial Camera Control ports.*
- *Serial Lens Control port.*
- *Ethernet Receiver Control Port.*
- *Serial Receiver Control port.*
- *Internal Video Splitter/Mixer.*
- *Calibrated Status Reporting Function.*
- *Non-volatile memory.*



DESCRIPTION

The 6125DE2 Receiver/Driver unit is a Universal Camera Control unit designed to control a Pan & Tilt mount and variety of video cameras, including visible light and Infrared. The unit has provisions to interface to two separate cameras on a common pan & tilt mount, typically one visible and one infrared. Control of the 6125DE2 is via a serial port using either RS-232 or RS-422 or an Ethernet port using TCP/IP control. The unit provides proportional DC drive to the pan & tilt motors as well as the camera lens focus and zoom. Additionally serial ports are included to interface to cameras and lens that have serial control features.

In addition to the real time operational control, the serial receiver control or Ethernet port also provide the means to remotely program and calibrate the 6125DE2 as well as read status. All program data is stored in nonvolatile memory so that the program characteristics will remain even if input power is lost.

When used in the analog control mode, the 6125DE2 provides a reference voltage to the position potentiometers (PP) in the Pan & Tilt unit as well as the lens. The PP signals are used internally by the preset function and the calibrated digital position sensor. The position sensor generates the numeric Azimuth and Elevation angle values, which are included in the status message, which is transmitted back to the controller via the serial control port.

The receiver driver unit is housed in an environmentally sealed NEMA enclosure that is 9 inches wide by 6-1/2 inches high by 10-1/2 inches deep. It is powered by a 100 to 240 VAC 50/60 Hz line.

Model 6125DE2 Pan/Tilt/Camera Receiver/Driver

SPECIFICATIONS

Pan/Tilt Motor Control	DC, Proportional control. Voltage = 24 VDC, Maximum current each motor = 3 Amps
Camera Power	12 VDC at 5.25 Amp Maximum 7 VDC at 5 Amp Peak, 4 Amp constant, Maximum
Lens Control	DC, Proportional control to Focus and Zoom motors. Voltage = 12 VDC, Maximum current to each motor = 300ma
Discrete Control	May be set as isolated contact closure, max voltage = 12 VDC, max current = 1A or TTL
Remote Control, Serial	EIA RS-232C or RS-422 (selectable) Asynchronous bi-directional Serial port, 9600 baud.
Remote Control, Ethernet	Standard TCP/IP protocol 10/100 Mbit/second. Port selectable. Default is Telnet 23
Position Sensor	Azimuth and Elevation resolution = 1 degree.
Video Splitter	Dual time base corrected selector/splitter. Provides output of visible light video, IR video or both in horizontal or vertical split screen format.
Power	115 VAC +/- 10%, 50-60 Hz 10 W nominal, 30 W average when active, 150 W peak, plus power for cameras, which will vary depending upon type connected.
Enclosure	Fiberglass , 9 inches wide by 6-1/2 inches high by 10-1/2 inches deep. Enclosure meets the following specifications: UL 508A, 508 File No. E61997: Type 4, 4X, 12, & 13 NEMA/EEMAC Type 4, 4X, 12, and 13 CSA File No. LR42186: Type 4, 4X, 12, and 13 IEC 60529, IP66
Environmental	Sealed unit suitable for outside mounting
Temperature:	-10 to 60°C., Low temperature extended to -40°C with optional heater
Weight:	8.5 lbs.

