

## FEATURES

- Proportional pan-and-tilt motor control, AC or DC
- Proportional DC drive for camera iris, focus, and zoom
- Local Pan & Tilt and Zoom & Focus controls
- 256 programmable preset controls
- Four programmable discrete control lines
- Serial camera port
- Serial control port
- Nonvolatile memory



## DESCRIPTION

The 6125D-2, receiver driver unit is a component of the ITS 6125 Camera Control System that may include the master controller, remote controllers, and remote node controllers. The receiver driver unit interfaces the system controllers to the camera and mount. The unit provides DC (6125D-2(DC)) or AC (6125D-2(AC)), drive to the pan-and-tilt motors as well as DC drive to the camera focus, zoom, and iris. Additionally, a serial port is included to interface to cameras that have serial control features. A control system can contain up to 16 receiver driver units. These units are controlled by one master controller and up to fifteen remote controllers.

The unit is designed to operate under the control of a master or remote controller via the serial control port. It includes provisions for daisy-chaining other receiver driver units so a single control line can control multiple units. The serial port also provides the means to remotely program the receiver driver unit. All program data is stored in nonvolatile memory so that the program characteristics remain if input power is lost to any system element.

The receiver driver unit provides a reference voltage to the position potentiometers (PP) or it can use an external reference. The unit detects the presence of an external reference and automatically switches from the internal reference to the external reference, when detected. The PP signals are used internally, buffered, and output for use by external monitoring devices.

The 6125D-2, receiver driver unit is housed in 19-inch rack mount enclosure that is 3½ inches high by 10 inches deep. It is powered by a 115 VAC ±10% 50/60 Hz line.

# Model 6125D-2 Pan/Tilt/Camera Receiver/Driver

## SPECIFICATIONS

<b>Pan/Tilt Motor Control</b>	DC or AC Proportional control. Voltage = 115 VDC or 115VAC, Maximum current each motor = 1 Amps Max.
<b>Lens Control</b>	DC, Proportional control to Focus and Zoom motors and On/Off control to Iris motor. Voltage = 12 VDC, Maximum current to each motor = 300 ma.
<b>Control In (Input/Output conn)</b>	EIA RS-232C and RS-422 Asynchronous Serial ports, Receive only, 9600 Baud.
<b>Local Controls</b>	Pan, Tilt, Focus and Zoom front panel controls.
<b>Presets</b>	Up to 256, 16 for each connected controller plus and additional 16 global presets. Stores Pan, Tilt, Focus and Zoom positions.
<b>Additional ports</b>	Two, RS-232, used for additional control functions for special purpose cameras such as Infrared. Port functions are factory programmed for specific applications.
<b>Discreet control lines</b>	Four, two pull down and two pull up (12 volts) One amp maximum.
<b>Power</b>	115 VAC +/- 10%, 50/60 Hz. 10 watts nominal, 30 watts average when active, 150 watts peak.
<b>Enclosure</b>	19-inch rack mount aluminum enclosure that is 3½ inches high by 10 inches deep.
<b>Environmental</b>	Temperature: -10 to +60°C

