



# 1129

## Camera Control Board for OEM System Integrators

### Features

- PIC Processors
- RS232 Input/Output
- RS485 Input/Output
- 2 PWM Servo Drivers
- 7 Relay Outputs
- 12 Bit Position Feedback
- 8 Presets
- Wide Operational Temperature Range
- Provides Control of Cameras/Thermal Imagers/Lens/Pan & Tilt with Variable Speed and Preset Position Feedback

### Description

The 1129 has been developed over a number of years to provide the systems integrator with a compact and versatile remote control system which can be used with virtually any Electro-Optical System. The onboard processors can be programmed to personalise the control functions for specific EO systems. The 1129 includes 4 analogue input channels which are digitised to 12 bits to enable position feedback to be monitored. This enables EO systems to perform autonomously after the operator has taught it a sequence, either by keyboard or via a computer. Up to 8 preset positions can be sorted for each unit.

7 relays allow for clean contact switching, 12vdc switching or 28vdc switching. Typically these are used for Pan & Tilt plus Lens functions, but can be used to change over fields of view in Thermal Imagers or Multi-Focal optical systems etc.

Variable speed motors are taken care of by the 2 PWM servo drivers, which provide variable speed control of 12vdc or 24vdc motors.

8 programmable presets can be used to store and recall Pan & Tilt and Lens positions.

The 1129 has been designed to interface with common standards and can be used with RS232 or RS485 as either a terminated RS485 receiver or part of a loop system. Different protocols can be accommodated in software, e.g. CANBUS for vehicle systems, NMEA0183 for marine or PELCO P for CCTV applications.

The 1129 is part of a series of OEM products for integrators, which include time/date/data/graphics inserters, wireless control systems and video transmission

### Applications

- Naval gun fire systems
- Industrial process control
- RPV camera control
- Balloon camera systems
- City centre TV systems
- Surveillance cameras
- Integrated EO systems