

# ES30PC/ES31PC Series Positioning System

## ESPRIT® WITH PRESSURIZED IOC AND OPTIONAL WIPER

### Product Features

- Receiver, Pan/Tilt, and Enclosure with Pressurized Integrated Optics Cartridge (IOC), NTSC/PAL
- All Components Factory Assembled and System Tested
- Pressurized Integrated Optics Cartridge Factory Charged to 10 psig
- Solid-State Sensors For Temperature, Pressure, and Dew Point
- On-Demand Environmental Status Display For Temperature, Pressure, and Dew Point
- On-Screen Multiple Fault Alert Modes
- On-Screen Compass, Tilt, and Zoom Display
- On-Screen Programmable Zone Blanking
- On-Screen Programmable Menus For Pan/Tilt, Camera, and Sensor Alert Settings
- All Standard Features of the Esprit® Positioning System

Pelco's **ES30PC/ES31PC** Esprit® Positioning System is optimally designed to protect camera optics and electronics from moisture and airborne contaminants. The system features a receiver, pan/tilt, enclosure, and a pressurized Integrated Optics Cartridge (IOC).

The **ES30PC/ES31PC** system's IOC packages an auto focus camera, lens, heater, and sensors in a small, self-contained, sealed unit. Dry nitrogen pressurized to 10 psig protects the environment inside the cartridge eliminating internal condensation and corrosion. Sensors strategically placed in the cartridge send an "Alert" message if changes in pressure, temperature, and humidity are beyond factory set acceptable limits. The sensors also allow for instant on-screen display of temperature, pressure, and dew point.

The IOC is factory assembled and installed in the **ES30PC/ES31PC** systems. All labor intensive procedures of setting up the camera, lens and charging the unit with dry nitrogen are eliminated. The miniature size of the cartridge decreases the future need for maintenance and increases the overall reliability of the pressurized unit.

The **ES30PC** and **ES31PC** Series feature four models of pressurized IOCs:

- Day/night camera (540 TVL) with an infrared cut filter, 35X zoom lens (35X optical, 12X digital), and electronic image stabilization
- Day/night camera (520 TVL) with an infrared cut filter and 24X zoom lens (24X optical, 10X digital)
- High resolution color camera (470 TVL) with LowLight™ color technology and 22X zoom lens (22X optical, 10X digital)
- High resolution color camera (470 TVL) with LowLight color technology and 16X zoom lens (16X optical, 10X digital)



A powder-coated, aluminum construction makes the **ES30PC** and **ES31PC** ideal for either indoor or outdoor applications. The system has an absolute operating temperature range of -50° to 140°F (-45° to 50°C). Within two hours after power-up, the entire unit can de-ice and be operational from a temperature of -13°F (-25°C).

The **ES31PC Series** has a window wiper completely integrated into the enclosure and designed not to interfere with the viewing range of the system. The wiper can be programmed to delay between wipes and to shut off automatically after a specified period. The wiper design also allows for easy replacement of the wiper blade.

The **ES30PC** and **ES31PC** Series variable pan and tilt speeds range from 0.1 to 40 degrees per second in manual pan mode and 0.1 to 20 degrees per second in manual tilt. Pan preset and turbo speeds are 100 degrees per second in wind speeds up to 50 mph and 50 degrees per second in the 90 mph wind-speed profile. Tilt preset speed is 30 degrees per second. The **ES30PC** and **ES31PC** are capable of 360 degrees of continuous pan rotation. The tilt range allows for horizontal viewing of +33 to -83 degrees. There are 64 programmable preset positions with a preset accuracy of one-quarter degree.

The systems are available with an input voltage of 24 VAC or with a selectable power source of 120/230 VAC. The **ES30PC** and **ES31PC** also have a power-up recovery mode that allows the user to specify what operation the system will resume whenever the power is cycled.

