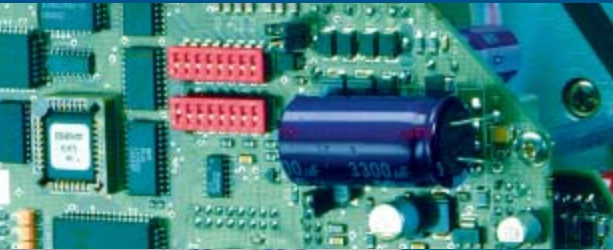




Esprit Positioning Systems





Integrated Positioning System



Esprit is a high-performance, remote-positioning system featuring an integrated camera and lens, pan-and-tilt unit, and a multi-protocol receiver.

Incredible Range of Speeds



Esprit offers the smoothest, most dynamic positioning capabilities of any pan-and-tilt system; including variable-speed 360° operation, up to 100° per second pan speed, and a tilt range of +33° to -83° from horizontal.

Accessories as Standard Features



Heater, window defroster, sun shroud, and thermal insulation are pre-assembled into every Esprit system.

On Screen Position Feedback



On screen position feedback displays the camera's directional orientation and zoom position. And can also accept RS-422 data commands that can send Esprit to exact positions or report its current position.

Remote Data Port



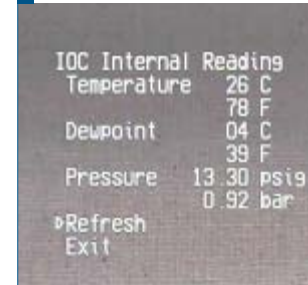
The Remote Data Port brings control, programming and video verification, when used with the IPS-RMK (Remote Monitor Kit) or IPS-Cable to ground level.

IOP with LowLight Color Technologies



Esprit's powerful Integrated Optics Package (IOP) has the added capability of LowLight viewing. Through our new LowLight Technologies, Esprit color units now have a light sensitivity of an amazing 0.02 lux.

IOC Pressurized Optics



For the ultimate protection of cameras from moisture and airborne contaminants, Pelco offers Pressurized Integrated Optics Cartridge (IOC). Sensors in the cartridge send an "Alert" message if changes in pressure, temperature, or humidity are beyond acceptable limits.

Optional Window Wiper



Esprit's optional Integrated Window Wiper system features programmable delay, programmable shut-off, and high reliability.

Esprit Positioning Systems: Faster, Smaller, More Digitally Sophisticated

With Esprit, Pelco engineers have brought together the very best in enclosure design, pan-and-tilt mechanics, and receiver technologies. This completely integrated package offers very responsive, high-speed positioning capabilities, outstanding weatherproof protection, and a level of aesthetics and ease-of-installation that remain unmatched within the industry.

Applied Technologies

By combining the world's most popular environmental enclosure design with high-speed positioning, advanced motor control and camera/lens technologies, and by packaging all these ideas within an easy-to-install, one-part-number system, Esprit has become the positioning system of choice for surveying roadways, airport runways, trainyards, shipyards or most any other outdoor security/surveillance application.

Peak Performance

Esprit is built and warrantied for two years for continuous duty, 360-degree operation, and offers the most dynamic movement capabilities available. Esprit can move with a pan speed of 100-degrees per second to presets, a feature that allows Esprit to perform more effectively than any other pan-and tilt system on the market.

Load-bearing and wind-resistance capabilities allow Esprit to remain completely operational in 90-mile-per-hour wind conditions. Esprit also offers an ultra-slow, ultra-smooth "creep-mode" speed of .1 degree w/IOP and IOC (1/2- degree per second for ES3012).

Esprit can accelerate and decelerate more smoothly, more responsively, and more accurately than any other pan-and-tilt system on the market, making it perfect for tracking almost any object at any speed, at almost any distance. Esprit features a preset positioning accuracy of better than 15 arc minutes, or better than 1/4 of one degree.

Extras Included

Many important features, usually considered options on other systems, come standard with Esprit. These include a heater, window defroster, sun shroud, and thermal insulation blanket. Esprit can operate in temperature conditions ranging from as low as -50°F, to those of over 120°F.

In the event of a power failure within a freezing storm, the entire unit can de-ice itself and become operational within just two hours after regaining power at a temperature above 13°F. During heat waves, the unit's sun shroud greatly reduces internal temperatures and dissipates radiant heat.

Digital Position Feedback and On-Screen Display

The recent addition of digital position feedback to Esprit (a feature already available in Spectra III) provides the ability to have continuous on-screen reporting of azimuth, elevation, zoom factor and compass direction, so there is never any question as to where the camera is looking at any time of day.

In addition to onscreen feedback, Esprit systems have the ability to accept RS-422 data commands that can be used to send Esprit IOP/IOC systems to exact azimuth, elevation, and zoom positions, or report their current position. This feature allows the integration of Esprit into systems with virtually any user interface on the market.

Integrated Optics Package

Esprit Series Positioning Systems are available with the same powerful Integrated Optics Package (IOP) technologies made popular by Pelco's revolutionary Spectra series dome systems. The Esprit IOP option features an auto-focus camera and lens module with programmable features such as white balance and sharpness control. With auto-focus, the picture is always in focus during pan and tilt, allowing faster recognition of subjects while tracking.

LowLight Technologies

Esprit's powerful IOP Systems feature auto-focus cameras with a choice of three different cameras:

- 23X Optical Zoom, 10X Digital, Color 0.08 lux/B-W 0.013 lux, 470 TVL (NTSC) 470 TVL (PAL)
- 22X Optical Zoom, 10X Digital, LowLight Color 0.02 lux, 470 TVL (NTSC) 460 TVL (PAL)
- 16X Optical Zoom, 10X Digital, LowLight, Color 0.5 lux, 470 TVL (NTSC) 460 TVL (PAL)

Through LowLight Technologies, Esprit color units now have a light sensitivity of an amazing 0.02 lux. As the light level decreases, Esprit automatically adjusts for those conditions, producing the optimum color image.

Complete Environmental Protection

Esprit systems are easy to install. There are no exposed cables, no wiring harnesses to fabricate, and no connectors to seal or secure. The system is pre-wired for power input, video, and control. All wiring connections are made at the base of the unit during installation, making the job simple and convenient. No special tools are required for installation.

The receiver electronics for Esprit are housed within the body of the pan-and-tilt unit. The integrated receiver interfaces with all Pelco controls using Coaxitron protocol, P protocol, or D protocol.

TXB Series translator boards allow Esprit to interface to a variety of competitive control systems – much in the same way as our Spectra III dome systems. Esprit can be specified with either NTSC or PAL cameras and can work within 24-, 120- and 230-volt systems.

Weighing in at just under 23 pounds, the system is constructed of cast aluminum for strength and durability and boasts an IP66 rating and NEMA-4X certification. The unit's complete polyester-powder-coat finish adds additional protection and will continue to look great for years to come.

Pressurized Optics

The Pressurized Esprit Positioning System is optimally designed to protect camera optics and electronics from moisture and airborne contaminants. The system features a receiver, pan and tilt, enclosure, and a pressurized Integrated Optics Cartridge (IOC). The Esprit 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 controls 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, or humidity are beyond acceptable limits. This allows for instant on-screen display of temperature, pressure, and relative humidity status.

Window Wiper

Both Esprit IOP and IOC systems offer an optional 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.

Simplified Mounting

There are three system mounting options. The standard Esprit wall mount arm can be used with most any reliable vertical mounting surface, or an adapter plate can be used for pole-mount type and corner-mount applications. A parapet or pedestal mount adapter also is available.

Camera and Lens Innovations

Esprit IOP/IOC systems offer a wide range of factory assembled and installed camera/lens systems. In addition to standard and ImagePak units, choose from a selection of different zoom capabilities and low-light viewing options. Models include:

- 23X Optical Zoom, 10X Digital, Color 0.08 lux/B-W 0.013 lux, 470 TVL (NTSC) 470 TVL (PAL).
- 22X Optical Zoom, 10X Digital, LowLight Color 0.02 lux, 470 TVL (NTSC) 460 TVL (PAL).
- 16X Optical Zoom, 10X Digital, LowLight, Color 0.5 lux, 470 TVL (NTSC) 460 TVL (PAL).



Wide angle view (4mm)



Same view with 22X (80mm) zoom



Same view under 176X zoom (using 22X optical and 8X digital zoom)

Quick & Easy Ground-Level Access and PTZ Control

The IPS-RDPE-2 Remote Data Port provides local interface to Esprit Systems when using IPS-RMK or IPS-CABLE for quick and easy ground-level access for PTZ control and programming – saving time and money. The IPS-RDPE-2 is compatible with coaxial video and UTP video control systems using Pelco D, P or Coaxitron protocols.



IPS-RDPE-2 shown closed and locked



IPS-RDPE-2 shown in use with IPS-RMK and IPS-CABLE mounted on pole



Adjustments and updates can be easily made without having to rent a lift or closing lanes.

Right out of the box, Esprit has become the industry's standard by which all other pan-and-tilt positioning systems are measured.





Pelco is a world leader in the design,

development and manufacture of

video security systems and

equipment. With a prestigious

history of offering high-quality

products, innovative technologies

and Guaranteed 100% Customer

Satisfaction, Pelco has become

the most sought after product

supplier in the industry.

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PELCO

Worldwide there's so much we can show you.

Choose the Esprit System that Fits Your Application

Pelco offers a wide range of options that makes the Esprit positioning system the most versatile available. From ordering the system with a completely installed state-of-the-art pressurized optics package to installing your own camera and lens combination, Esprit offers nothing less than premium performance and 100-percent customer satisfaction.

Order with High-Performance IOP and Optional Wiper: ES30C/ES31C Series

The ES30C and ES31C not only combine a receiver, pan and tilt, and enclosure in a single, easy-to-install system, they also include an Integrated Optics Package (IOP). The IOP contains an auto-focus camera and lens module with programmable features.

The ES30C and ES31C Series feature a choice of three different IOP cameras: a color camera (470 TVL) with a 128X zoom lens (16X optical, 10X electronic), a high-resolution camera with LowLight color technology and 264X zoom lens (22X optical, 10X electronic), and a high-resolution color/black-white camera with an infrared cut filter and 230X zoom lens (23X optical, 10X electronic).

- Receiver, Pan and Tilt, and Enclosure with an Integrated Optics Package (IOP)
- All Components Factory Assembled and System Tested
- Auto Focus with Manual Override
- Programmable Camera Settings
- Auto Iris with Manual Override
- On-Screen Programmable Zone Blanking
- All Standard Features of the Esprit Positioning System

Order with Pressurized IOC and Optional Wiper: ES30PC/ES31PC Series

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 and 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, or humidity are beyond factory set acceptable limits. The sensors also allow for instant on-screen display of temperature, pressure, and dew point.

- Receiver, Pan and 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 Programmable Zone Blanking
- On-Screen Programmable Menus for Pan and Tilt, Camera, and Sensor Alert Settings
- All Standard Features of the Esprit Positioning System

ImagePak Camera and Lens and Save: ES3012 Series

The Esprit ImagePak system combines the innovative design of the standard system with a factory-installed camera and lens package of your choice. Choose from a variety of standard or high-resolution, color or monochrome, and LowLight DSP camera and lens combinations. ImagePak saves time and money, and greatly reduces installation errors.

- Choose from a large selection of Pelco Cameras and Lenses
- Let Pelco Completely Install, Adjust, Back-Focus, and Test Camera/Lens
- Integrated Receiver, Pan and Tilt, and Housing with No Exposed Cabling
- All Standard Features of the Esprit Positioning System

Install Your Own Camera and Lens: ES3012 Series

Pelco's Esprit ES3012 Series Integrated Positioning System integrates a pan and tilt, enclosure, and receiver into one compact system that is easy to install. On-screen, user-friendly menus also make the system easy to program and operate.

The standard system does not include the camera and lens components. It is designed to accept any 24 VAC camera and lens combination up to 3.45" W x 3.17" H x 12.10" L (8.76 x 8.05 x 30.73 cm).

- Integrated Receiver, Pan and Tilt, and Housing with No Exposed Cabling
- Quick and Simple Electrical Connections
- All Standard Features of the Esprit Positioning System

