

# NuOptic VIS and Pelco Esprit Pelco SMR: 1 - 23LGLX

40W and 80W Illumination Series (Patent Pending)

## Key Features

- Fully integrated with all NuOptic VIS IR and white light illuminators, including new award-winning True Hybrid illuminators
- Illuminators zoom in and out as the camera is zoomed in and out
- Improved slip ring design supports 80W illuminators on both sides, providing up to 160W of illumination power
- Supports Pelco presets, including IR or White Light selection and zoom position to best match camera field of view
- Continuously adjustable illumination angle eliminates hot spots and wasted light, maximizing video quality in all situations

**NuOPTIC** Intelligent Illumination

## Description

NuOptic, in partnership with Pelco, has recently introduced a revolutionary step forward in PTZ technology. By combining NuOptic's award-winning Varifocal Illumination System (VIS) illuminators with the Pelco Esprit PTZ, Pelco and NuOptic have created the world's first PTZ product with illumination that zooms in concert with the camera. The Esprit NuOptic SMR was jointly designed to provide the quality, ruggedness, reliability, and performance customers have come to expect from all Pelco products.

An improved design was employed to provide maximum performance and reliability for the Pelco Esprit NuOptic SMR. The standard Esprit slip ring has been replaced with a higher performance, higher pin count slip ring, providing a significant increase in power and reliability to support the illumination technology. In fact, the Esprit NuOptic SMR can support NuOptic's highest power 80 Watt illuminators, offering a combined 160W total illumination power, resulting in superb distance performance.

NuOptic VIS technology was designed for ultimate performance when combined with PTZs. Capable of synchronized zooming with the camera, VIS illuminators place light where you need it when you need it. When the camera is zoomed in by the operator or via a preset, both NuOptic illuminators will also zoom, reaching an impressive 6° field of illumination in white light and 9° in infrared. When the camera is zoomed out, these same illuminators will zoom out to a maximum of 70° in white light and 95° in infrared. Using NuOptic's True Hybrid illuminators allows for the selection of IR when covert operation is required, or white light when overt operation or color imagery is desired.

The Esprit NuOptic SMR provides one set of wires for powering the Esprit and one set for powering the illuminators. This enables system integrators and installers great flexibility in configuring the power connections, and results in an easy to install, easy to use, and highly reliable integrated PTZ system.

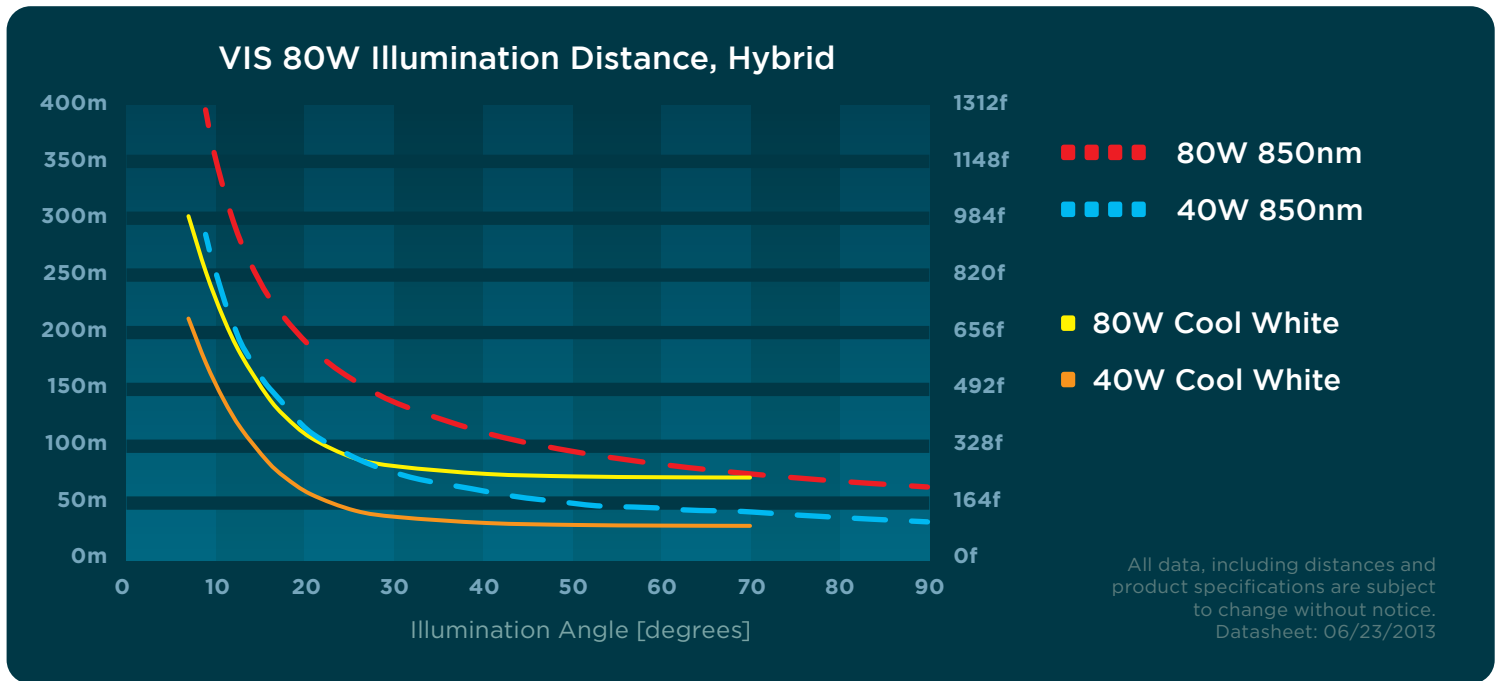
Awarded *Best New Product in Video Surveillance Hardware and Accessories* by SIA at ISC West 2013, the NuOptic VIS illuminators redefine flexibility and performance. When paired with the iconic Pelco Esprit, the versatility and functionality of VIS illuminators create a new class of integrated illumination PTZ systems.

## Technical Specifications - SMR# 1-23LGLX

- Supports all NuOptic VIS 40 & 80 Watt VIS-1000 Models
  - VIS-10x0-S850, VIS-10x0-S940
  - VIS-10x0-SCW
  - VIS-10x0-SH8, VIS-10x0-SH9
- 360 degree continuous rotation
- Selectable light source on hybrid models via Pelco presets or manual operation
- Improved performance slip ring provides independent power access to NuOptic illuminators and Esprit
- Fully integrated with Pelco D command set and Pelco Esprit using RS485/RS422 interface
- Strong, ruggedized, environmentally-protected mounting system designed and manufactured by Pelco
- Designed for easy setup and installation
- 5 year warranty on VIS Illuminators\*
- Supports Pelco preset configurations
- Environmental:
  - IP66 water and dust protection
  - Operating Temp: -40 to +60 °C (VIS-1040)
  - 40 to +50 °C (VIS-1080)

\*excludes drive train in continuous motion applications

## Distance Performance



## About Pelco Esprit

Pelco Esprit Integrated PTZ is well-recognized as the leading pan/tilt camera system, including a wide variety of features previously reserved for high-speed domes, including dynamic window blanking, autotracking, internal scheduling clock, electronic image stabilization, multi-language menus, and more. Featuring a 36x optical zoom camera, Pelco Esprit SE is a high-performance remote positioning system featuring an integrated camera and lens, pan-and-tilt unit, and a multi-protocol receiver. Designed and built for continuous duty, Esprit SE offers the most dynamic movement capabilities available.

This completely integrated package offers responsive, high-speed positioning capabilities, outstanding weather protection and a level of aesthetics and ease-of-installation that remains unmatched in the industry.

## Pelco Esprit Technical Specifications

- Continuous pan rotation
- Tilt range +36 to -85 degrees
- Variable pan speed up to 100 degrees/sec
- Variable tilt speed up to 30 degrees/sec
- Preset position accuracy of +/-0.1 degrees
- Temperature range (-40 to +50 °C)
- Meets IP66 requirements
- Integrated window wiper
- Built-in heater and window defroster/defogger
- Measurements
  - Weight: 10 kg Esprit, 4 kg illuminators
  - Max Dimensions: 57cm x 44.3cm x 33.9cm

## About NuOptic

NuOptic is an innovative leader in illumination products and technologies for the video security market and beyond. Having introduced state-of-the-art varifocal and motorized zooming illuminators, NuOptic is focused on the continual advancement of illumination technologies.

NuOptic VIS™ features a user-adjustable beam angle, and supports multiple protocols including Pelco-D for remote configuration and monitoring. Designed for flexibility and long life, NuOptic VIS™, reduces SKU management, installation time, and costs while improving image quality and overall camera performance.

