

THE TRUE HYBRID

Varifocal Illumination System 40W and 80W Hybrid Light Series, Patent Pending



Key Features

- One unit provides varifocal IR and varifocal White light illumination
- 6° to 70° for White Light and 9° to 90° for Infrared
- Motorized adjustable beam angle and light control means 1 model replaces multiple competitive models, reducing inventory and optimizing performance
- Fully controllable via RS232, RS485, and Pelco D Protocol
- Advanced Heat Management for long LED life and maximum performance
- Designed for uniform illumination for optimum camera performance in both wavelengths

Description

The True Hybrid VIS illuminator by NuOptic offers a higher hybrid output than anything available on the market today. Combined with a powerful control system and motorized varifocal zoom capability, the True Hybrid VIS Illuminator creates a new level of flexibility, and enables unique solutions to the most demanding of lighting applications.

The VIS illuminator uses sophisticated precision optics to create a truly varifocal illuminator whose field of illumination and wavelength (white light or infrared), can be adjusted in the field - all without changing a single part, and all in a single unit. Digital input control also allows triggering of the light source via operator or automatically via camera control.

The True Hybrid illuminator provides the ability to use covert IR lighting for zero light pollution and preserve night time environments while also providing the ability for the unit to be triggered into white-light mode to provide color imagery and visible lighting deterrence.

Installation is made easy via control knobs located inside the unit's environmental cover or by using the RS232/RS485/Pelco D interfaces.

Designed to save cost, minimize inventory, reduce installation time and maximize image quality, the VIS illuminator was designed with the installer in mind. Because of its varifocal nature, and full adjustability, the VIS illuminator is the perfect companion for both analog and IP Day/Night video security cameras. The varifocal illuminator's field of illumination can be set to best match the setting of the camera lens.

Supporting up to 64 presets for integration with PTZ applications, the VIS illuminator can store illumination and brightness levels that best match the camera's field of view. No longer are two illuminators needed, one with wide setting and one with narrow setting - VIS illumination technology enables one illuminator to do both, saving cost and dramatically improving performance.

Technical Specifications

- Continuously variable angle: 6° to 70° in white light and 9° to 90° in Infrared
- VIS-1040-SH8 - 40 Watt
 - Max distance 150m (492ft) in White
 - Max distance 200m (656ft) in 850nm IR
- VIS-1080-SH8 - 80 Watt
 - Max distance 210m (689ft) in White
 - Max distance 270m (886ft) in 850nm IR
- Pelco D via RS485/RS232
- Adjustable Power: 0 to 40 Watts (VIS-1040)
0 to 80 Watts (VIS-1080)
- 40W: 24V AC \pm 10%, 1.3 A or 24V-36V DC, 1.7-1.2 A
- 80W: 24V AC \pm 10%, 2.5 A or 24V-36V DC, 3.3-2.3 A
- 64 presets for integration with PTZ
- 5 year warranty*
- Adjustable photocell for automatic on/off
- Cool White Color Temperature (6500° Kelvin)
- Environmental:
 - IP66 water and dust protection
 - Operating Temp: -40 to +60 °C (VIS-1040)
-40 to +50 °C (VIS-1080)
- Installation kit included:
 - Adjustable wall mount & anchor bolts
 - Power cable
 - Interface and power connectors
- Motorized varifocal optics allow the illumination angle to be configured at the same time as the camera and lens - at the installation site.
- Multi-unit configurations increase power for greater coverage or longer distances.

*excludes drive train in continuous motion applications



VIS Hybrid Series Illuminators

VIS-1040-SH8	40 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1040-SH9	40 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1080-SH8	80 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1080-SH9	80 Watt, Standard Comm Interface, Cool White / 940nm

Illuminator Kits

VIS-1040-SH8-1	40 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1040-SH9-1	40 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1040-SH8-2	80 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1040-SH9-2	80 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1040-SH8-3	120 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1040-SH9-3	120 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1080-SH8-1	80 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1080-SH9-1	80 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1080-SH8-2	160 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1080-SH9-2	160 Watt, Standard Comm Interface, Cool White / 940nm
VIS-1080-SH8-3	240 Watt, Standard Comm Interface, Cool White / 850nm
VIS-1080-SH9-3	240 Watt, Standard Comm Interface, Cool White / 940nm

* Kits include illuminators, proper power supply, Premium Wall Mount, Junction Box (for dual and triple unit kits), and gang mount(s) (one gang mount for dual kits and two gang mounts for triple kits units)

Accessories & Power Supplies

VIS-1000-PWM	Premium Wall Mount, Pan and Tilt
VIS-1000-CM	Corner Mount
VIS-1000-PM	Pole Mount
VIS-1000-GM	Gang Mount
VIS-1000-HM	Horizontal Surface Mount
VIS-60-PWR	60 Watt, 5 Yr. Warranty
VIS-100-PWR	100 Watt, 5 Yr. Warranty
VIS-185-PWR	185 Watt, 5 Yr. Warranty
VIS-240-PWR	240 Watt, 5 Yr. Warranty
VIS-JB-1	Junction Box for multiple units

Other Technical Product Specifications

Housing	Single body high-durability aluminum
Weight	2.0 kg (4.4 lb.)
Dimensions	170mm x 170mm x 87mm (6.7" x 6.7" x 3.4") [HxWxD]
Color	Black powder coat finish with polycarbonate front window



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.

Headquartered in Fort Collins, Colorado, NuOptic is committed to long-lasting partnerships built through outstanding customer service, great products, leading technology, and knowledgeable staff.

Single unit (top view)



Add another illuminator for a dual unit configuration (top view)



Combine three illuminators for a triple unit configuration (top view)



RS485/RS232 communications
Digital input/output interfaces

Continuously variable angle

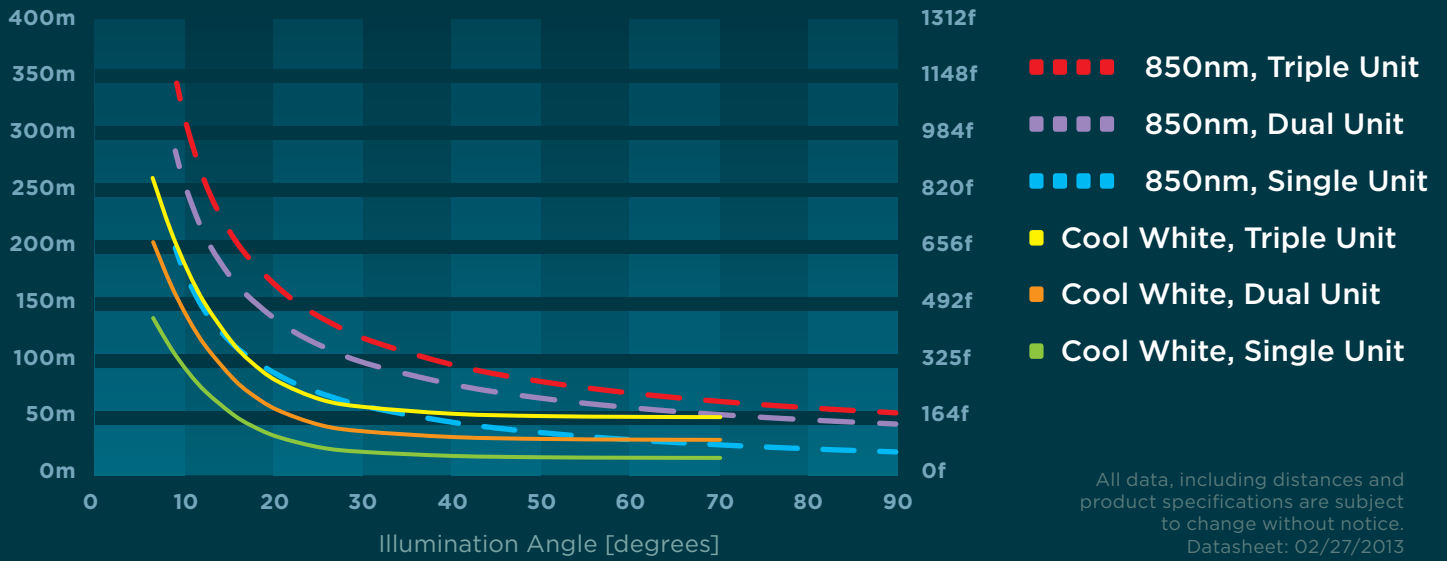
Adjustable power range

Photocell level adjust

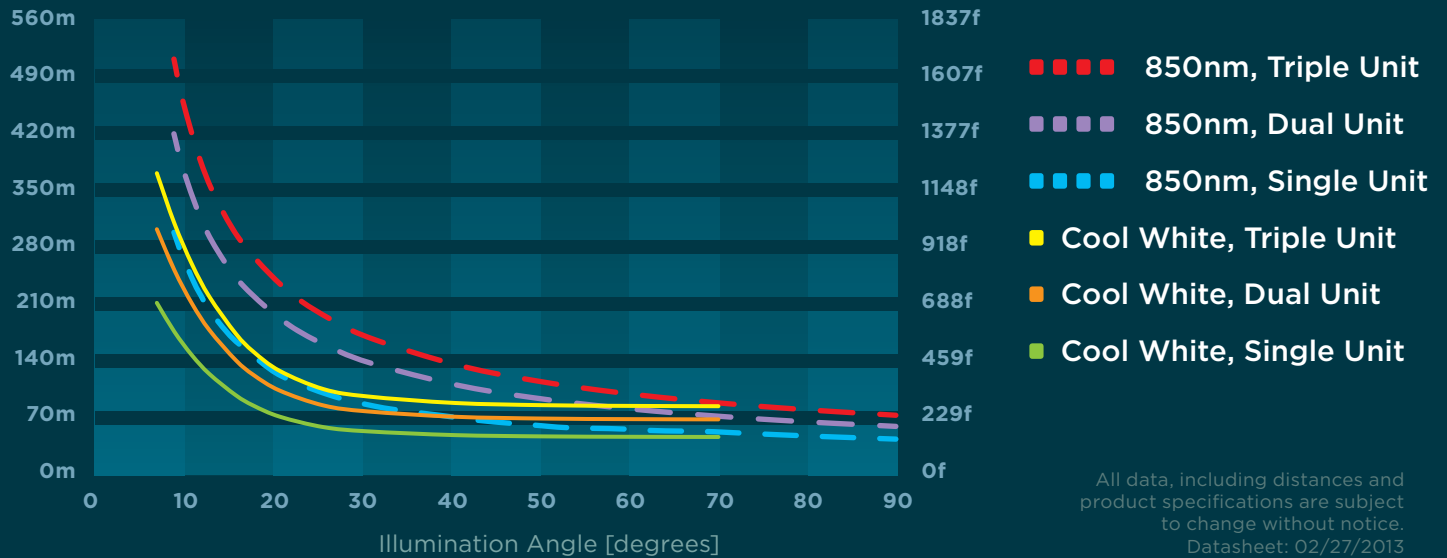


Distance Performance

VIS 40W Illumination Distance, Hybrid



VIS 80W Illumination Distance, Hybrid



	Max Tele	Max Wide	Max Distance
VIS-1040-SH8-1 850nm Infrared	9	90	200m
Cool White	6	70	150m
VIS-1040-SH8-2 850nm Infrared	9	180	280m
Cool White	6	140	210m
VIS-1040-SH8-3 850nm Infrared	9	270	345m
Cool White	6	210	260m
VIS-1080-SH8-1 850nm Infrared	9	90	270m
Cool White	6	70	210m
VIS-1080-SH8-2 850nm Infrared	9	180	385m
Cool White	6	140	300m
VIS-1080-SH8-3 850nm Infrared	9	270	470m
Cool White	6	210	365m

