



SLI080 Series

High Power Intelligent IR Illuminator

850nm, day/night switch, dual-voltage,
RS-485, IP68

The SLI080 Series is designed to optimize nighttime performance of CCTV or network cameras for low light installations up to 300M. The innovative adjustable-diffuser technology ensures even light distribution across the entire field of view. It provides the maximum flexibility to adapt to diverse security requirements and the maximum output performance for long- and wide-range security applications, such as ports, borders, railway systems, traffic LRP/ANPR, or any large open or indoor space requiring covert surveillance.



LumiiFlex™ Technology

Even output illumination frees images from over exposure and hot spots. The SLI080 features LumiiFlex™ technology, an innovative 5-step adjustable diffuser to deliver uniform light intensity for a much greater range.



Expandability

For applications requiring extra lighting, the SLI080 supports daisy chain connections to expand the installation of multiple LED illuminators in series to increase the view range and the light intensity



Shutter Synchronization

Specifically designed for traffic applications, the SLI080 is capable of synchronizing its LED pulse with the camera's shutter speed to boost light intensity for optimized LPR/ANPR results while reducing power consumption up to 80%.



EnduraLight™ Technology

EnduraLight™ technology consists of constant LED current circuit design, top-tier OSRAM LEDs, and the advanced fin-array heat spreaders to deliver durable, steady output over its service life for more than 100,000 hours at the operating temperature of 60°C.



Remote Adjustment

The SLI080 supports RS-485 remote control, allowing operators to remotely make adjustments in photocell sensitivity and IR power. Operators can also remotely enforce the illuminator to be ON/OFF when needed. This prevents the LEDs from switching on/off in marginal light conditions.

Specifications

| Electric | |
|------------------------|--|
| LED Array | High efficiency surface mount power LED with advanced current limited integral control circuitry |
| Wavelength | 850nm |
| Even Illumination | External adjustable by optical diffusion |
| Guaranteed Life time | 3 years |
| Alarm Out 1 | Day/night switching (Volt free contact) |
| Alarm Out 2 | LEDs failure detection (Volt free contact) |
| Adjustable sensitivity | 80 lux for IR ON |
| Adjustable IR Power | 20%-100% |
| Telemetry Input | Enforced IR ON/OFF |
| Power Saving | Up to 80% with Shutter Sync. |
| Automatic IR On / Off | Controlled by photosensor |
| Power System | |
| Input Voltage | 12VDC/24VAC(50/60Hz) ±10% |
| Consumption | 55W(Max.) |
| Power cable | 3M waterproof cable for power input/RS485/LEDs failure status |
| Remote | |
| Interface | RS-485 |
| PC Software | Windows based PC software |
| Features | LED Power Control, Light Sensor Sensitivity, Video timing Control, Telemetry Enforced IR ON/OFF |
| General Structure | |
| Main Body | Robust high quality aluminum extrusion |
| Front Cover | Highly IR transmitted polycarbonate with enhanced surface protection |
| Color | Black |
| Environment | |
| Operating Temperature | -50 ~ +60°C (-58°F ~ 140 °F) |
| Operating Humidity | 90% MAX |
| Storage Temperature | -50 ~ +60°C (-4°F ~ 140 °F) |
| Storage Humidity | 70% MAX |
| Protection | IP68 |

| Safety | |
|----------------------------|--|
| Certification | CE: EN61000-6-3, EN50130-4, EN60598-1, EN60598-2-5, EN62471 (Light Safety) |
| | FCC ClassB |
| | IP68, EN60529 |
| | UL1598 & UL8750 (optional) |
| Mechanism | |
| Dimensions (WxHxD) | 233 x 310 x 167 mm (9.17" x 12.2" x 6.57") |
| Weight (tentative) | 5.6Kg (12.3lb) |
| Accessories (Optional) | |
| Video Sync. Cable (SAL087) | 1M waterproof cable for telemetry IR ON/OFF control and video input |
| D/N Status Cable (SAL086) | 1M waterproof cable for day/night status output |
| PSU for mains (SAL085) | Mains power adaptor, AC100-240V to DC12V |
| L-Type Wall Mount Bracket | Single L-type wall mount: SAL081 Dual L-type wall mount: SAL082 |
| Pole Mount Bracket | Single pole mount: SAL083, SAL081+SAL083 Dual pole mount: SAL082+SAL083 |
| Corner Mount Bracket | Single corner mount: SAL084, SAL081+SAL084 Corner corner mount: SAL082+SAL084 |

| Ordering information | | | | |
|----------------------|--------------|--------------|--------------|--------------|
| Model | SLI08010D | SLI08020D | SLI08040D | SLI08060D |
| Beam pattern | 10°-50° | 20°-60° | 40°-80° | 60°-100° |
| Max. range | 300m (984ft) | 240m (787ft) | 170m (558ft) | 130m (427ft) |

Dimensions

