MESSOA®

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.

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%.

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.

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

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.
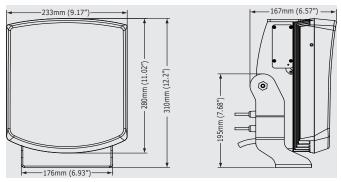
Specifications

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 Enfored 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 ~ +60ºC (-58ºF ~ 140 ºF)
Operating Humidity	90% MAX
Storage Temperature	-50 ~ +60ºC (-4ºF ~ 140 ºF)
Storage Humidity	70% MAX
Protection	IP68

Safety

Certification	CE: EN61000-6-3, EN50130-4,EN60598-1,EN60598-2-5,EN62471(LightSafety)
	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	10º-50º	20º-60º	40º-80º	60º-100º
Max. range	300m (984ft)	240m (787ft)	170m (558ft)	130m (427ft)

Dimensions

233mm (9.17") · 167mm (6.57") · 280mm (11.02") · 310mm (12.2") · 195mm (7.68") · 176mm (6.93")