

fSONA Infra-Red Illumination



IR40

fSONA's line of infra-red illuminators leverage fSONA's extensive expertise in optics, ruggedized housings, thermal design and high power infrared transmission to deliver leading class infra-red illumination for any CCTV installation. Combining the latest advances in optics, electronic feedback and green LED technology, the fSONA series of illuminators deliver outstanding performance with minimal environmental impact.

The infra-red series features the latest developments in interchangeable holographic optics which allows the user to match the angle of illumination to the required field of view. A wide range of lenses are available for each system in order to meet the demands of any installation. Each kit includes interchangeable lenses to deliver angles of 15, 30 and 60 degrees which is enough flexibility to cover most applications. A standard illuminator kit delivers 15° circular, 30 x 15° and 60 x 25° elliptical angles. Other angles are also available.

All products in the series also incorporate hot-spot reduction technology (HRT) allowing them to produce images of much higher quality than is possible with regular LED illuminators. The HRT system dispenses a highly diffused elliptical beam shape which delivers light to the areas where it is most needed. This translates into greater illumination distances, reduced light and energy wastage all the while preventing overexposure of foreground objects.

POWERFUL

- Distances up to 310 m
- SMT LED technology
- Hot-spot Reduction Technology (HRT)

FLEXIBLE

- Holographic lens system
- Interchangeable angles from 15-120 degrees
- Adaptive illuminators
- Integrated power supply

RELIABLE

- LED status indicator
- Active LED life control
- Vandal resistant

CONTROLLED

- Control and management system
- Elliptical beams for optimal light distribution

INTERCHANGEABLE LENS SYSTEMS

The holographic lens system allows the angle of light to be adjusted by changing the lens. A wide range of lenses are available to meet the demands of any installation. A standard illuminator delivers 15° circular, 30 x 15° and 60 x 25° elliptical angles. Other angles are also available.

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SPECIFICATIONS

Illuminator	
Max Distance:	310 m (1010 ft)
Lens angle:	15° circular 30 x 15 elliptical 60 x 25 elliptical optional lenses available
Optics:	SMT LED's
Consumption:	96 W max
Input:	100-240 VAC, 12 VDC, 24 VAC
Weight:	8.5 kg (18.7 lbs)
Environmental:	IP66
Temp Range:	-40 to +50°C (-40 to 122°F)
Cable Length:	1.3 m
Color:	Black
Wavelength:	850 nm
Dimensions:	206 x 409 x 117 mm 8" x 16" x 4.5" approx.

Bracket
U Bracket and Adaptive illumination bracket included.

Distances		Narrow Angle	Wide Angle
IR40	15 x 15°	310 m (1010 ft) at 15°	220 m (722 ft) at 30°
	30 x 15°	170 m (551 ft) at 30°	120 m (394 ft) at 60°
	60 x 25°	110 m (360 ft) at 60°	80 m (262 ft) at 120°

Power Supply Options	
IR40-A	100-240 VAC
IR40-B	24 VAC
IR40-C	12 VDC

INTERCHANGEABLE LENSES

The angle of illumination of the elliptical and circular beam patterns can be rapidly and accurately adjusted by changing the lens.

HRT - HOT-SPOT REDUCTION TECHNOLOGY

HRT provides a highly diffused, elliptical beam allowing for longer distances and minimizing light wastage. HRT also prevents overexposure of foreground objects.

ADVANCED LED TECHNOLOGY

Illuminators combine leading edge SMT LED technology and enhanced thermal management into a single high performance LED.

CONTROL & MANAGEMENT TECHNOLOGY

Integrated standard features such as an in-built photocell for automatic on/off.