zenitel

DATASHEET

2310111108

450m Illuminator MIC-ILB-400

Infrared Light



- IR Light (850 nm/940 nm) + White light LEDs
- Rugged housing design
- IP68/Type 6P ingress rating

IK10

Description

The 450m Illuminator MIC-ILB-400 has a dual-pod housing incorporating a combination of long-life IR (850 nm/940 nm) + White light LEDs. It enables viewing of objects even in total darkness, ensuring high-quality images regardless of the lighting conditions.

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Specifications

CERTIFICATIONS AND APPROVALS

Safety	UL, CE (including EU eco-directive 2009/125/EC, and harmonized norm based on EU regulation 1194/2012)
Illumination Safety	Meets Risk Group 1 exposure limits based on IEC 62471
Compliance	Europe, CE, Declaration of Conformity (DoC)

PARTS INCLUDED

	1 MIC Illuminator accessory
	1 Spanner wrench [to remove the access plug from the camera head]
	3 M4x10 socket head Torx screws

IR ARRAY

	Narrow	Medium	Wide
Number of LEDs	12	4	4
Wavelength	850 nm	850 nm	940 nm
Vertical Beam Angle	15° FWHM	26° FWHM	45° FWHM
Horizontal Beam Angle	16° FWHM	28° FWHM	47° FWHM

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WHITE LIGHT ARRAY

Number of LEDs	6
Color Temperature	5600-6300K
Vertical Beam Angle	15° FWHM
Horizontal Beam Angle	32° FWHM
Light intensity (3m)	1000 lx

IR DISTANCE MEASUREMENTS, 850 NM

	MIC starlight 7100i
Detection	550 m
Classification	450 m
Recognition	150 m
Identification	100 m

ELECTRICAL

Power Consumption	30 W (provided by the camera)
	Note: The camera requires a power supply that can supply this power, for example: • 95 W midspan (NPD-9501A or NPD-9501-E) • 24 V PSU (VG4-A-PSU1 or VG4-A-PSU2).

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ENVIRONMENTAL

Operating Temperature	-40 °C to +65 °C
Cold Start-up Temperature	-40 °C (Requires 60-minute warm-up prior to operation.)
Storage Temperature	-60 °C to +70 °C
Humidity	0-100%
Wind Load	209 km/h (sustained) (Gusts up to 290 km/h)
	Camera + installed illuminator accessory: Coefficient of Drag: 1.370 Effective Projected Area (EPA): 0.089 m²
	illuminator accessory only: Effective Projected Area (EPA): 0.019 m²
Vibration	NEMA TS2 Section 2.2.8 Vibration - 5-30 Hz, (0.5G)
Shock	IEC 60068-2-27, Half Sine Impulse, 6ms, 40G NEMA TS 2 Section 2.2.9 Shock (Impact) Test Half Sine Impulse 11 ms, 10G
Ingress Protection	IEC 60529, IP68, Type 6P (when attached to camera)
External Mechanical Impact (IK Code or Impact rating)	IEC 62262, IK10 (when attached to a MIC camera)

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CONSTRUCTION

Dimensions (W x H x D)	215 mm x 115 mm x 117 mm
Weight	1.2 kg
Construction Material	Cast aluminum with polycarbonate windows
Standard Finish	Corrosion-resistant, powder coat paint, sand finish
Color	Black (RAL 9005)

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