

## YS-DR12 940nm IR Emitter

### 3<sup>rd</sup> Generation of DOT Infrared Lighting



The core components of the new generation of DOT infrared light source (IR-III), low power consumption, long service life and high electro-optical conversion efficiency can reach above 100%.

The IR-III is a single chip light source that sends out through the lens, concentrated uniform light that can reach 100% by using IR-III technology, providing a brightness superior than the brightness array. The entire shell is made of high quality aluminum anodized surface and lamellar structure shell is excellent heat dissipation. The IP67 rating is made possible by the strengthening of toughened glass, silicon rubber seal and internal epoxy encapsulation. Dustproof, shockproof and resistant to rain, the unit can withstand harsh environmental conditions.

### Basic Functions

- HD Vision Monitoring System provides uniform infrared light across its field of view
- Angle beam modes of 60, 90 and 120 degrees are suitable for short distance vision monitoring applications up to 100 meters
- 3 million hours lifespan, waterproof performance of IP67, applicable to a variety of outdoor environments (wind, rain and snow)

### Technical Specifications

Emitter: 12 2W power efficient infrared LED

Night Vision: Distance up to 100 meters

Beam Mode: 60 degrees /90 degrees / 120 degrees optional

Wavelength: 940nm

Open Illumination: Factory Settings = 5 Lux (adjustable)

Power Consumption: 24W with photocell trigger activation

Input Voltage: DC12V/AC24V/AC220V optional

Working Environment Temperature: -45 to 55 degrees Celsius

Waterproof Rating: IP67

Structure: molded aluminum alloy shell with tempered glass and stainless steel reflective panel

Mounting Bracket: Equipped with U bracket

Exterior Colour: Grey or White

Weight: 1.2 kg

Dimensions: 180 \* 140 \* 115 (mm)

Part Number: YS-DR12D-N (for DC version)

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