EVA Series IR ILLUMINATOR

www.infrared-ir.com

S-H24OS-IR-B

IR LAMP **HI-POWER LED** **ENERGY SAVING** **AUTO D/N CONTROL**

• S-H24OS-IR-B is a professional IR Illuminator with electric variable angle technology (EVA Tech). It can support high-definition zoom camera control to adjust the beam angle. Also you can use an remote control to set up at ground side. The series solves the matching problem between traditional fixed angle IR Illuminator and zoom camera, achieves uniform and high intensity lighting synchronous linkage.

• It offers high efficiency image in various of applications and save stock costs for customers.

• The series provides waterproof and dustproof grade of IP68 and explosion-proof grade of IK10 to installation under harsh environment.

Professional Design

• Adapted with super brightness infrared LED to provide powerful infrared light at night

• IK10 degree of protection against mechanical impacts

• IP68 waterproof level

• Electric variable angle control via RS485 by zoom camera

• Remote control provides easy set up

• External input for IR ON/OFF

• External output for day/night switch

• Low failure rate is guaranteed by the professional in-house optimized independent circuit technology

• Flexible angle-adjustable bracket fit for various installation site.

• Robust cooling fin design is available to long term working at -50°C to 55°C

• 50,000 hours lifetime of LED

• 5 years warranty

Wide Range of Application

• Recommended for security at ports, railway systems, border, prisons, traffic LPR/ANPR, ITS as well as large public places surveillance.

Basic Function

•To improve performance of the weak light camera and enhancing the picture effects at night
•Conventional night monitoring
•The function of video analysis at night
•Reduce signal noise and other image distortion
•Reduce the network bandwidth requirements
•Energy saving by power factor correction
•Reduce the equipment cost
•Lower cost of installing and wiring

Viewing Picture at Night

With IR   Without IR

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Picture

Technical Specification

LED Type	24pcs IR LED
Wavelength	850nm
Power Consumption	Max. 80W
Beam Angle	10°-40°, 40°-80°
IR Distance	140m-350m, 50m-90m
Beam Shape	Round
Auto ON/OFF	by light sensor
Manual ON/OFF	by remote control
Light Sensor Sensitivity	10/20/50/100% by remote control
IR Power Adjustment	by remote control
Beam Angle Adjustment	by RS485 PELCO-D, (other protocols are available to customize) or remote control
Input Voltage	24VDC ±10%, 24V AC(50/60Hz) ±10%
Operating Environment	-40℃ to 55℃
Working Temperature	-40℃ to 55℃
Cable Length	1.5meter
Protection Level	IK10, IP68
Working Humidity	90%
Color	Black
Bracket	Flexible U bracket
Net Weight	2.6kg
Gross Weight	3kg
Dimension	220*160*74mm
Packing Dimension	250*290*170mm

Model for selection

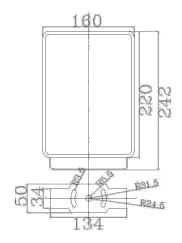| Model	Beam angle	IR distance
S-H24OS-1040-IR-B	10°-40°	350m-140m*
S-H24OS-4080-IR-B	40°-80°	90m-50m*

*IR distance is tested by Sony 1/3 CCD Camera. To achieve the distance needed, please pay attention to your camera specification and lens before purchase. It is normal phenomenon that distance may vary due to different cameras and lens
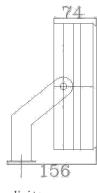
Certificate

ISO9001-2015

CE /FCC/ ROSH /IK10/ IP68

Drawing

Unit: mm