

# S12D IR Illuminator



High performance and economic cost products suitable for industrial, commercial and civil surveillance

## Professional Design

- Two stages of constant current circuit avoid LED away from instantly impulse impact when started.
- A wide edge of silica gel waterproof circle and water stop line ensure excellent waterproof performance.
- Twice direct cooling heat sink processing enable to increase the cooling coefficient and prolong the service life of the product.
- Power factor correction circuit better improves utilization of grid and reduces the reactive power loss to lower wiring cost in fact. PF > 0.9-0.98
- Patent design hexagonal spherical light sensor more accurately responses ambient brightness and improves accuracy of automatic light control.
- Flexible angle adjustable bracket can extend the illuminance range widely.
- IP66 waterproof and dustproof housing available work at ambient temperature -40℃ to 55℃.

## Qualified Material

- Super power dot-matrix IR LED with strong light effect, long service life and low light decline feature.
- High efficient twice optical lens processing achieves 90% of the luminous efficiency.
- The housing adopts high thermal conductivity aluminum to enhance heat dispersion property.
- Stainless steel bracket and screw ensure low maintenance.

## Wide Range of Application

- Recommended for security at ports, railway systems, border, prisons, traffic LRP/ANPR, ITS as well as large public places surveillance.
- 30,000 hours lifetime of LED
- 2 Years warranty

## Basic Function

- To improve performance of the weak light camera, thereby 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 Scene's IR



Without Scene's IR

**S12D-IR**

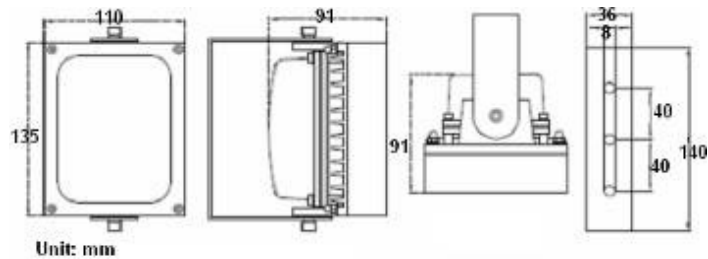
**Product certificate**



**Technical Specification**

<b>LED type</b>	<b>12pcs 2W dot-matrix IR LED</b>
<b>Wavelength</b>	<b>740nm/850nm/940nm</b>
<b>Power factor</b>	<b>0.9-0.98</b>
<b>Voltage</b>	<b>AC85-265V/DC12V/AC24V</b>
<b>Power consumption</b>	<b>28W</b>
<b>Day and night switch</b>	<b>Auto (build in photocell)</b>
<b>Cable</b>	<b>1.3M waterproof Cable</b>
<b>Mounting</b>	<b>Wall mounting "U" bracket</b>
<b>Temperature</b>	<b>-40□ to 55□</b>
<b>Grade of protection</b>	<b>IP66</b>
<b>Color</b>	<b>Beige</b>
<b>Housing</b>	<b>Aluminium</b>
<b>Panel</b>	<b>High light transmittance toughened glass</b>
<b>Net weight</b>	<b>1.4kg</b>
<b>Gross weight</b>	<b>1.7kg</b>
<b>Dimension</b>	<b>110*135*91mm</b>
<b>Packing dimension</b>	<b>190*180*135mm</b>

**Drawing**



**Model for selection**

<b>Model</b>	<b>Beam angle</b>	<b>Viewing distance(850nm)</b>
S12D-15-IR	15°	240m
S12D-30-IR	30°	210m
S12D-45-IR	45°	180m
S12D-60-IR	60°	150m
S12D-90-IR	90°	110m
S12D-120-IR	120°	70m

\*Viewing distance is tested by Watec/WAT-902H 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.