



## **External infrared illuminator, 60m/50m/30m**



### **Manual**

**DN-16101 • DN-16102 • DN-16103**

The external infrared spotlight improves the night vision function of available cameras over a distance of up to 50 meters. Objects within the camera range can thus be illuminated and recognized more clearly at night. The infrared spotlight has a beam angle of 30° and uses the 850nm band for infrared illumination. The strength of the illumination can be adjusted by means of the integrated light sensor, from which the infrared spotlight should come on stream. The spotlight is developed for use outdoors in accordance with the IP66 standard and can be operated within a temperature range of -20°C to 50°C. The intensity of the infrared spotlight can be adjusted by means of a knurled screw so that it does not lead to excessive illumination independent of the application during use. The spotlight is mounted by means of a u-beam. For the power supply, a 12V/DC power pack with an exterior diameter of 5.5mm and an inner diameter of 2.1mm and an external negative pole is required.

## Introduction

<b>Feature</b>	Precise secondary optical technology, excellent luminous efficiency, more uniform illumination
<b>Housing</b>	Patent design, easy installation, direct cooling, excellent heat dissipation
<b>Usage</b>	Improve night-time images of CCTV and IP cameras
<b>Application</b>	Intelligent traffic, toll gate, parking lot, security surveillance and other occasions for fill light
<b>Quality Guarantee</b>	High quality component, ISO9001 quality management system, authorities certification testing

## Package Content

- Infrared spotlight x 1
- User Manual x 1

## Technical Specifications

<b>Wavelength</b>	Infrared light: 850nm
<b>Beam angle</b>	15°, 30°, 45°
<b>Distance</b>	60m, 50m, 30m
<b>Operate method</b>	Built-in light sensor (10 lux-20 lux), constant lighting, customized
<b>Power supply</b>	DC 12V
<b>Power consumption</b>	DC 12V label with input voltage (V) and current (A)
<b>Cable length</b>	DC12: DC plug 5.5*2.1mm, 45cm



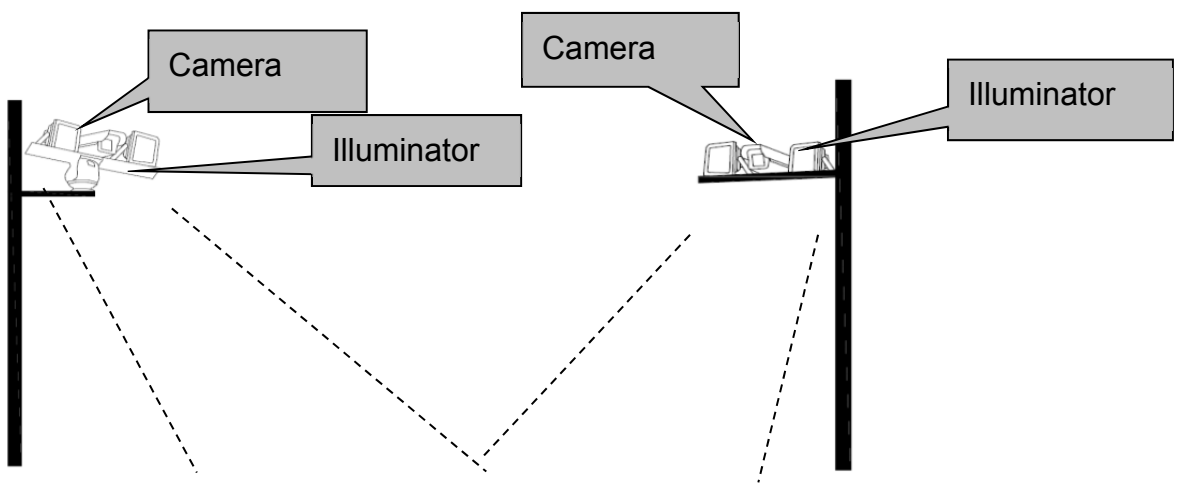
DC12V: the lines has positive and negative



<b>Cooling method</b>	Direct cooling, air cooling internal circulation
<b>Protection level</b>	IP65
<b>Color</b>	White
<b>Installing bracket</b>	Universal U type bracket
<b>Installation method</b>	Universal tripod, PTZ, universal joint

<b>Ambient temperature</b>	-20° to 50°C
<b>Ambient humidity</b>	10-90% RH
<b>Front panel</b>	Toughened glass, PC
<b>Body construction</b>	Die casting aluminum
<b>Produce standard</b>	GB24819-2009 GAT1202-2014 - “The fill light transportation technology monitoring imaging equipment general technical specifications”

## Installation Graph



## Installation Instruction and Warning

1. The product includes fragile parts. Take care on every transportation steps and hold carefully, do not stress
2. Make sure the installation position can takes 10 times the weight of product
3. Don't turn on the power of product before installation is done to avoid electric shock, the outlet of power wire should be installed downward.
4. Through the installation hole on the mounted bracket, the product can be directly fixed on pole or surface by screws.
5. Adjust the angle of product by unscrewing on bracket; camera and illuminator should be installed to the same horizontal and vertical direction.
6. Link power wires tightly and make it waterproof to avoid electric shock.
7. Connect with extra power wire should make it waterproof at the same.
8. Don't use against any fire precaution rules during operation.
9. Installation requested professional operation and qualified personnel.
10. Before power on, make sure the input voltage is the same as required voltage showing on label to avoid damage of product.

11. If the product voltage is above safety voltage 36V, please install it away from crowd, dispose the grounding of earth wire and make sure lightning protection is done.
12. To ensure the life time of product, please do not install in salt, acid, fog environment.
13. Connect our sales person if you need additional parts for installation.

## Maintenance

- Cut off power before maintenance.
- Clean the glass regular to get better transmission of light
- Clean the housing to get well heat dissipation performance
- Clean by dry dishcloth; don't use water or strong corrosive solution.

Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

### Note:

If wrongly installed or improperly used in the living area, the device can cause interference in radios and other electronic devices. Appropriate use is when the device, as far as feasible, is operated with shielded connection cables (with network products in addition to category 5 shielded cables and higher). The device has been tested and falls within the limits of class A computing equipment according to the requirements of EN 55032.

### Warning:

This device conforms with test category A - it can cause radio interference in the living area; in this case the operator may demand that appropriate measures are implemented and arise for this reason.

Declaration of conformity: The device fulfills the EMV requirements according to EN 55032 for ITE and EN 55024 class A. In this way, the fundamental protection requirements of the EMV-2014/30/EU guideline are fulfilled.

### [www.assmann.com](http://www.assmann.com)

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