

Long Range LED IR Illuminator Manual

Introduction

Use the IR Illuminator in combination with your network or HD analog cameras, and get good quality images around the clock, in low-light situations (even in complete darkness) without attracting attention. The inherent low power consumption of the solid-state LEDs results in ultra long life time, and very low running cost of the system. The high quality IR Illuminator can be used both indoors and outdoors.

What is IR Illumination?

Infrared illumination is energy which is invisible to the human eye but can be seen by a high quality black/white or true day/night camera (IR cut filter removed). The energy from IR illuminators resides just outside the visible red section of the electromagnetic spectrum, wavelength is from 700nm to 1000nm.

IR illumination is an ideal source of illumination for security cameras for the following reasons. •It is invisible to the human eye but visible to black/white and true day/night cameras, which makes it ideal as a covert/none obtrusive form of illumination.

- Because it is invisible to the human eye it does not create the problem of light pollution.
- It has a longer range than visible light due to the higher wavelength. The illuminator is designed to provide superior IR lighting for CCTV systems. They are available with sufficient angles and distances to cover different ranges and scenes. It is supplied with an IP65 weatherproof rating for outdoor use. The tempered glass panel and die cast aluminum housing provide protection from the harshest weather conditions and rapid temperature variations (-20°C - +65°C).

Precaution

To achieve the distance needed, please pay attention to your camera and lens specifications prior to purchase. IR illuminators require true day/night camera with mechanical IR cut filter. Distances realized may vary due to different camera and lens specifications.

Product Features

- Improve the camera image quality in low-light situations and in complete darkness
- Dawn/Dusk power on/ off automatically
- Up to 330 feet (100m) for CCTV cameras night vision distance
- 850nm Wavelengths with a angle of 30 degree
- IP65 weatherproof rating
- Ultra-long life-time
- 12VDC 1.5-2A input
- Low power consumption (10-12W)

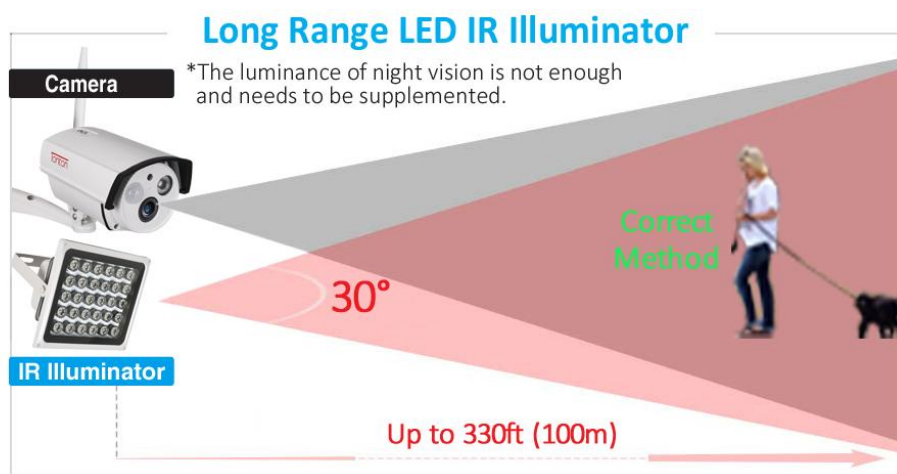
Appearance



1	IR Led	30pcs array IR LEDs
2	Photosensor	Detects the amount of light available and turns on the IR LEDs when necessary.
3	Body	Metal material to provide solid construction
4	Mounting Bracket	The mounting bracket can be fixed onto any flat surface.
5	Power Connector	12V 1.5-2A input, 5.5mm*2.1mm
6	Positioning Nut	With 180-degree adjustable and detachable metal bracket , which can be positioned in almost any angle and a variety of application settings.

Installation Note

1. The effect of IR illuminator can only be prominently shown when the camera is in the status of black and white night vision;
2. The photosensor must be installed downwards;
3. Light beam angle 30 degree.



Specification

Material	Metal
Connections	External power supply connector(5.5*2.1mm,male)
Power supply	12VDC 1.5-2A
Power consumption	10-12W (When IR LED is on)
Operating Environment	-20°C--+65°C
Night vision distance	Up to 330 feet (100m)
IR LED wavelength	850nm
Angle of light beam	30 degree
Waterproof level	IP65
IR LEDs	30pcs high power LED IR lights
Dimensions	L220*W180*D88 (mm)
Weight	1.1kg

What's included?

1	IR illuminator	1pc
2	Power adaptor	1pc
3	Manual	1pc
4	Mounting kit	1pc