WISENET

IR illuminator

Quick Guide

SPI-50

CE

Caution

CAUTION

RISK OF ELECTRIC SHOCK.DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

THIS SYMBOL INDICATES THAT DANGEROUS VOLTAGE CONSISTING A RISK OF ELECTRIC SHOCK IS PRESENT WITHIN THIS UNIT.

THIS EXCLAMATION POINT SYMBOL IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, or other apparatus (including amplifiers) that produce heat.
8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
    Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.

11. Unplug this apparatus when a card is used. Use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as powersupply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

FCC STATEMENT

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS :

1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND

2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Caution

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A DIGITAL DEVICE, PURSUANT TO PART 15 OF FCC RULES. THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT.
THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS. OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

Contents

OVERVIEW 5

5 Product Features
5 What's included

INSTALLATION 6

6 Mounting on the positioning system
8 How to set IR illuminator channel

SPECIFICATION 9

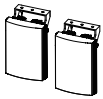
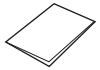
9 Specification
10 Product Overview

Product Features

1. It enables you to identify objects even at night with no lighting.
2. You can switch between Day/Night camera modes with the built-in sensor.
3. You can use a single or dedicated bracket to attach the product to the positioning system.
4. You can adjust the brightness of the lighting during the ZOOM operation.

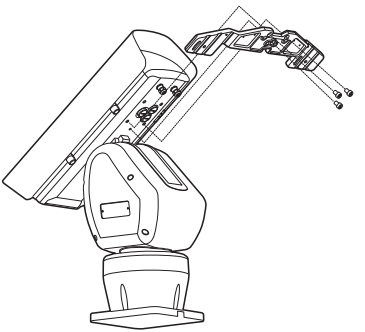
What's included

Please check if your camera and accessories are all included in the product package.

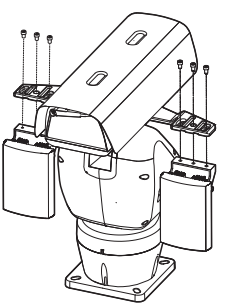
	IR illuminator body	2	Mounted in the positioning system and used
	Mounting bracket	1	IR illuminator mounting bracket
	Quick Guide (Optional)	1	-
	Warranty card (Optional)	1	-
	L-Wrench	1	Used when assembling the camera body and bracket
	Wrench bolts (1/4"-1/2")	9	Used when mounting the bracket to the camera body (3EA) Used when mounting the IR illuminator on the bracket (6EA)

Mounting on the positioning system

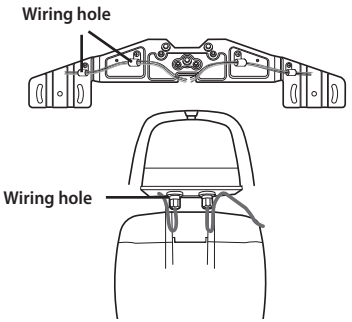
1. Secure the bracket to the camera with the 3 supplied bolts.



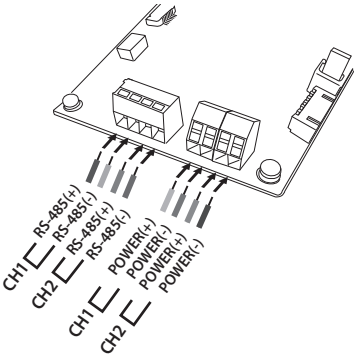
2. Connect the IR illuminator to the fixed bracket, using 3 bolts as shown.



3. Insert the IR illuminator cable into the housing through the wiring hole in the bracket and the hole in the back of the housing.



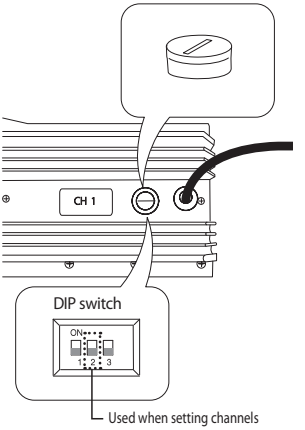
4. Connect the power cable and RS-485 cable of the IR illuminator to the board in the housing.



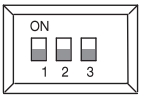
How to set IR illuminator channel

1. Open the round cover on the back of the IR illuminator.

2. You can set the illuminator channel using the DIP switch in the DIP switch cover.
   Use only the 2nd DIP switch to set the illuminator channel.
   (The 1st and 3rd DIP switches are used to test devices at the factory. Always set them to OFF.)



- Refer to the settings below.

When set to channel 1	When set to channel 2
	

- Do not allow the settings to be changed by anyone other than the persons who install or manage the product. Incorrect settings may cause the product to malfunction.
- When shipped from the factory, two IR illuminators are set to different channels as Ch1 and Ch2. If two IR illuminators are set to the same channel, communication errors will occur and they cannot be used normally.

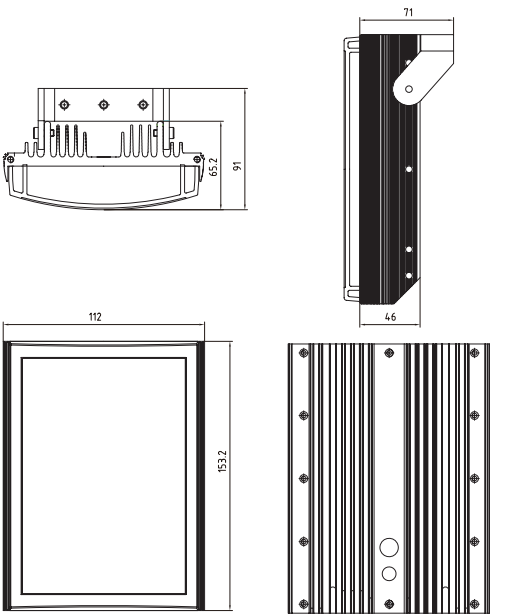
Specification

Items		Description
		SPI-50
Operational	LED Type	IR LED
	Distance Performance	200m
	Number of LED	9(EA)
	Contiunously variable angle	Fixed 25°
	Wavelength	850nm
	Automatic Control	Automatic IR On/Off control related to Camera Day&Night, Brightness can be controlled during zoom operation
Communication	Between Camera & illuminator	RS-485 9600bps(Techwin Protocol)
	illuminator Identification	For one camera, use CH1 and CH2 IR light projector together as one set.
Exterior	Weight(Kg)	0.9kg @1EA
	Size(mm)	(W)112 * (L)153.2 * (H)65.2
	Material	Aluminum + PC Cover
Electrical	Power	24V AC(±10%) / 2A @2EA
	Power Consumption	MAX 24W(Brightness MAX)
Environmental	Operational Temperature	-40°C ~ +60°C
	Ingress Protection	IP67
	Certification	EMC(FCC, CE, VCCI, RCM, KC)

※ When using IR light projector, do not use CH1 and CH1 or CH2 and CH2 together as one set.

Product Overview

Unit : mm



Hanwha Techwin cares for the environment at all product manufacturing stages, and is taking measures to provide customers with more environmentally friendly products.
The Eco mark represents Hanwha Techwin's devotion to creating environmentally friendly products, and indicates that the product satisfies the EU RoHS Directive.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

Correct disposal of batteries in this product

(Applicable in the European Union and other European countries with separate battery return systems.)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

Head Office
6, Pangyo-ro 319 beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 463-400 Rep. of KOREA
Tel : +82.70.7147.8753 Fax : +82.31.8018.3740
http://hanwha-security.com

Hanwha Techwin America
500 Frank W. Burr Blvd. Suite 43 Teaneck, NJ 07666
Toll Free : +1.877.213.1222 Direct : +1.201.325.6920
Fax : +1.201.373.0124
www.hanwha-security.com

Hanwha Techwin Europe
Heriot House, Heriot Road, Chertsey, Surrey, KT16 9DT, United Kingdom
Tel : +44.1932.57.8100 Fax : +44.1932.57.8101
www.hanwha-security.eu

Hanwha Techwin(Tianjin) Co.Ltd
No.11, Weiliu Rd., Micro-Electronic Industrial Park, Jingang Road Tianjin 300385, China
Tel : +86.22.2388.7788
www.hanwha-security.cn

Hanwha Techwin Middle East FZE
JAFZA View 18, 20th floor, office 2001, 2002, 2003, Downtown Jebel Ali,
Dubai, United Arab Emirates
http://hanwha-security.com

Hanwha
Techwin