

LED Module

User Manual

SPI-BWN0	SPI-BRN0	SPI-BBN0
SPI-BWM0	SPI-BRM0	SPI-BBM0
SPI-BWM1	SPI-BRM1	SPI-BBM1
SPI-BWW0	SPI-BRW0	SPI-BBW0

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. Do not use this apparatus near water.
6. Clean the contaminated area on the product surface with a soft, dry cloth or a damp cloth.
(Do not use a detergent or cosmetic products that contain alcohol, solvents or surfactants or oil constituents as they may deform or cause damage to the product.)
7. Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
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.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
12. Unplug this apparatus during lighting storms or when unused for long periods of time.



13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply 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.
14. If you use excessive force when installing the product, the barcode reader may be damaged and malfunction.
If you forcibly install the product using non-compliant tools, the product may be damaged.
15. Do not install the product in a place where chemical substances or oil mist exists or may be generated. As edible oils such as soybean oil may damage or warp the product, do not install the product in the kitchen or near the kitchen table.
This may cause damage to the product.
16. When installing the product, be careful not to allow the surface of the product to be stained with chemical substance.
Some chemical solvents such as cleaner or adhesives may cause serious damage to the product's surface.
17. If you install/disassemble the product in a manner that has not been recommended, the production functions/performance may not be guaranteed.
Install the product by referring to "Installation & connection" in the user manual.
18. Installing or using the product in water can cause serious damage to the product.
19. The safety of any system incorporating this product is the responsibility of the assembler of the system.

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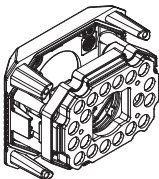
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Assembling LED module

Overview

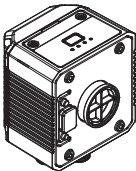
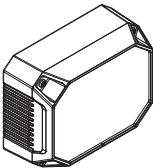
What's included

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

Appearance	Item Name	Quantity	Description
	LED Module	1	LED lighting device

* Product shape may vary depending on the model name.

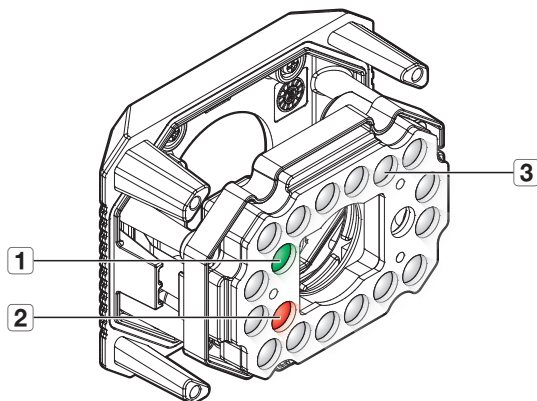
Optional Accessories for Installation

Item Name	Appearance	Description	Model Name
Barcode reader		Barcode reader camera	TNS-7000M
Front Cover (Filter included)		Case to protect the lens unit	SPF-BCB0 (Polarizing filter: SPF-BPB0) (Diffusion filter: SPF-BDB0)

Overview

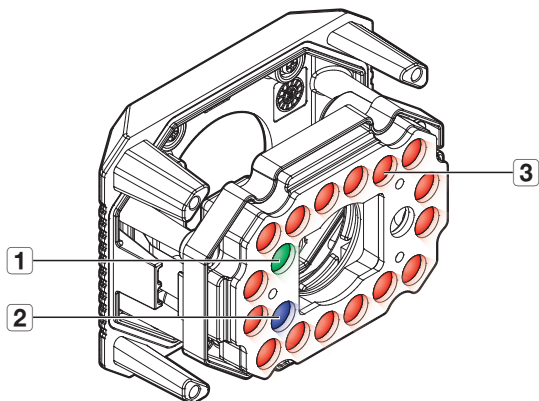
At a Glance

1. White LED(SPI-BWN0/SPI-BWM0/SPI-BWM1/SPI-BWW0)



Item	Description
1 Green LED	When the barcode is recognized, the green LED is displayed.
2 Red LED	When the barcode is not recognized, the red LED is displayed.
3 White LED	Illumination for barcode reading.

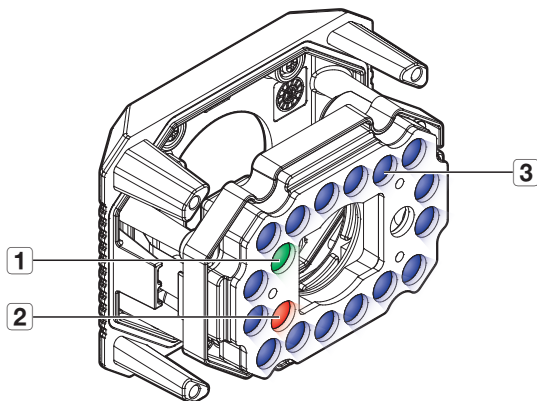
2. Red LED(SPI-BRN0/SPI-BRM0/SPI-BRM1/SPI-BRW0)



Item	Description
1 Green LED	When the barcode is recognized, the green LED is displayed.
2 Blue LED	When the barcode is not recognized, the blue LED is displayed.
3 Red LED	Illumination for barcode reading.

Overview

3. Blue LED(SPI-BBN0/SPI-BBM0/SPI-BBM1/SPI-BBW0)

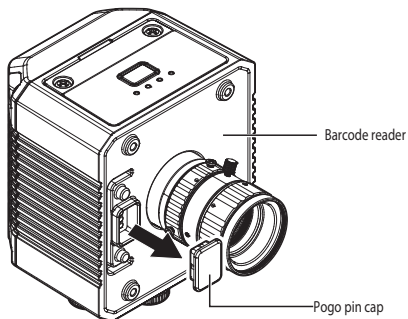


Item	Description
1 Green LED	When the barcode is recognized, the green LED is displayed.
2 Red LED	When the barcode is not recognized, the red LED is displayed.
3 Blue LED	Illumination for barcode reading.

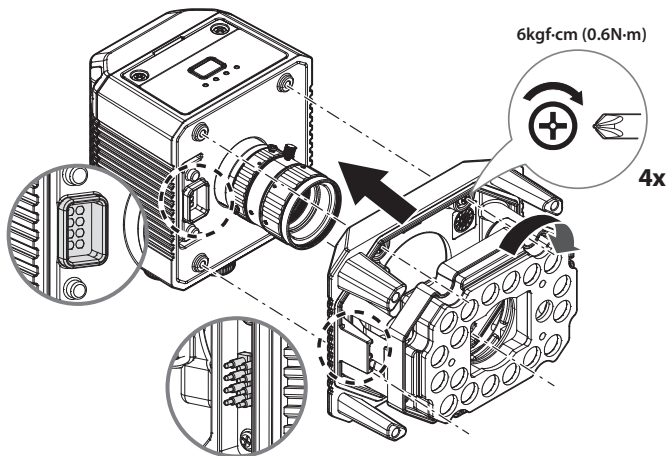
Assembling

Assembling LED module

1. Remove the pogo pin cap from the barcode reader (separately sold) before assembling the LED module.

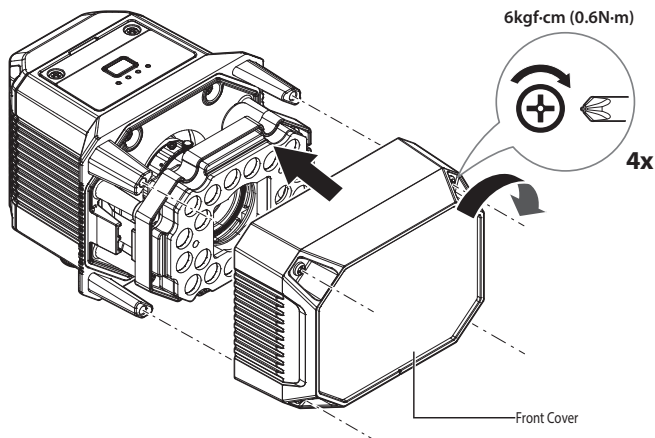


2. Assemble the LED module by tightening the fastening screws on the LED module.
 - Check the location of pogo pins during assembling.



Assembling

3. When assembling the LED module is complete, assemble the front cover (separately sold).





Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the 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.



Hanwha Vision 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 Vision'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.

