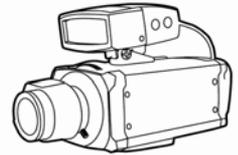
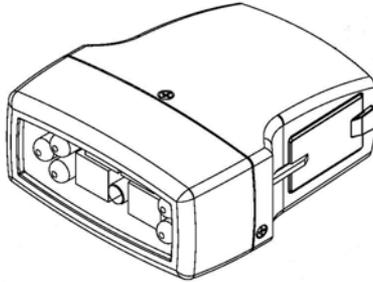


Indoor External IR



**** Designed to be used with OKINA USA's DNR Box Camera, SDNR-8630**

USER MANUAL

FEATURES

- Total 14pcs IR LED: 4pcs Reflection & 10pcs 5Ø
- Parabolic reflected IR LEDs allow for even illumination of a shot on near and far objects
- Built-in Photodiode: **Cadmium Sulfide (CdS) cells** within the External IR controls the Mechanical IR Cut Filter (ICR) that's in the SDNR-8630 camera, allowing it to detect light. So when the CdS cells detect low light, the External IR is triggered and activates the camera's ICR to work simultaneously for best day and night images.
- External IR can be mounted above or below the camera and can be aimed high or low in the field of vision
- IR distance up to 100ft / 30m
- Can be used in different distance ranges and adjusts the IR high/low
- Light sensor trigger is adjustable for a range of lighting conditions
- Start delay can be set at different times
- 12V DC



*Please read the Manual before attempting to use this product.
Specifications and appearance are subject to change without notice.*



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN!**



**TO REDUCE THE RISK OF ELECTRICAL SHOCK,
DO NOT OPEN COVERS (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED
SERVICE PERSONNEL.**



Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

CAUTION

1. Handle this camera with care

Avoid any shock or bumping of the device. Improper handling could damage the device.

2. Requires a proper operating environment

This product is designed for indoor use. The allowable temperature range for operation of this camera is between 14°F ~ 122°F / -10°C ~ 50°C.

3. Objects and liquid entry

Never push objects of any kind into this device as this may touch dangerous voltage points of short out parts that could result in a fire or electric shock. Never spill any kind of liquid on the video product.

4. Servicing

Do not attempt to service this video product by yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all service to qualified servicing personnel.

LIMITED WARRANTY

OKINA USA products are covered under warranty for one (1) year from the date of purchase. The warranty will automatically be voided if any of the following occurs:

1. Product sticker is removed

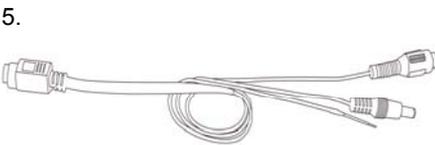
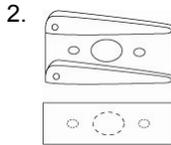
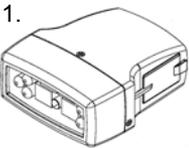
If the product sticker is removed, we will not be able to confirm any information regarding when and where the product was purchased. We have no other way to verify the purchase record without the serial number on the product sticker; therefore, it should not be removed.

2. Product is modified in any way

If the product is scratched, damaged, or modified in a manner not described in this manual, the warranty will be voided immediately. It is the customer's responsibility to keep the product in good condition.

PACKAGE CONTENTS

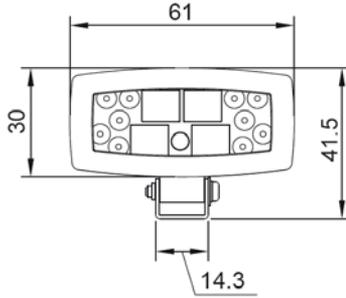
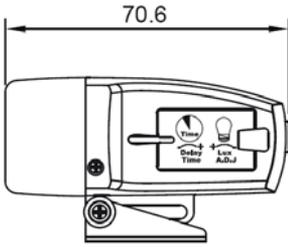
1. One (1) External IR
2. One (1) Bracket with Skidproof sticker
3. Two (2) Tiny Black Mounting Screws (to attached bracket to camera)
4. One (1) Small Bracket Screw (to attached External IR to bracket)
5. One (1) S-Video Cable Splitter*
6. One (1) No.6 Short Mounting Screw*
7. One (1) User Manual



* For use with other cameras besides OKINA USA'S DNR box camera, SDNR-8630

For any returns, please include all components listed above with original packaging in **Resalable Condition**. **Absolutely No Returns** will be accepted if any component is missing/damaged.

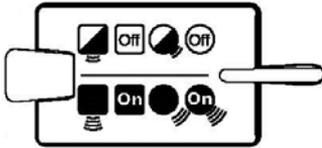
DIMENSION



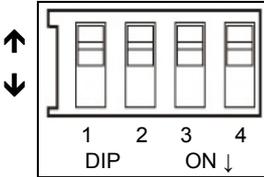
Unit: mm

SWITCHES

Rubber Cover



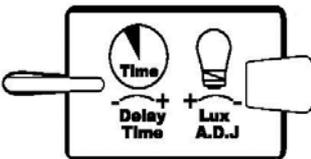
DIP Switch



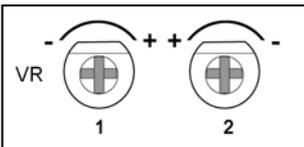
DIP Switch Settings

1. Reflection LED Power: low ↑ / high ↓
2. Reflection LED: off ↑ / on ↓
3. 5Φ LED Power: low ↑ / high ↓
4. 5Φ LED Power: off ↑ / on ↓

Rubber Cover



VR Switch

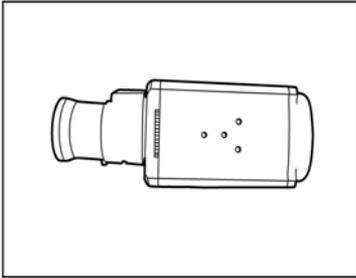


VR Switch Settings

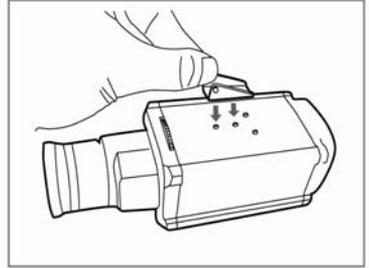
1. Day and night switch time delay adjust
2. Illumination (Lux) level adjust

INSTALLATION FOR OKINA USA'S CAMERA, SDNR-8630

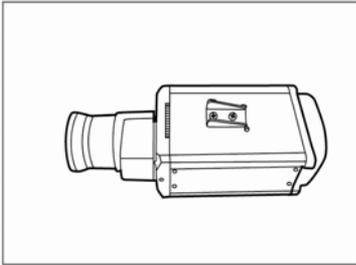
1. Determine the location of the External IR (top or bottom of camera body).



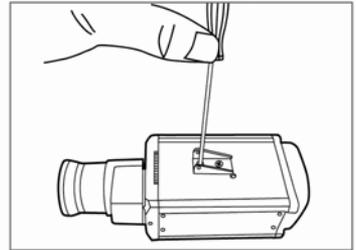
2. Put the tiny bracket on the screw base.



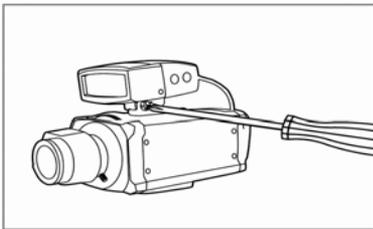
3. Center the bracket position according to the two holes.



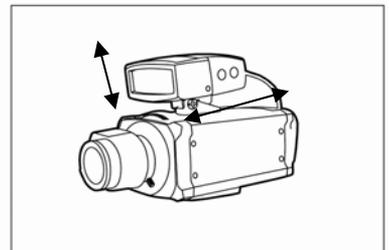
4. Screw the two tiny screws so the bracket is tightly fastened to the camera.



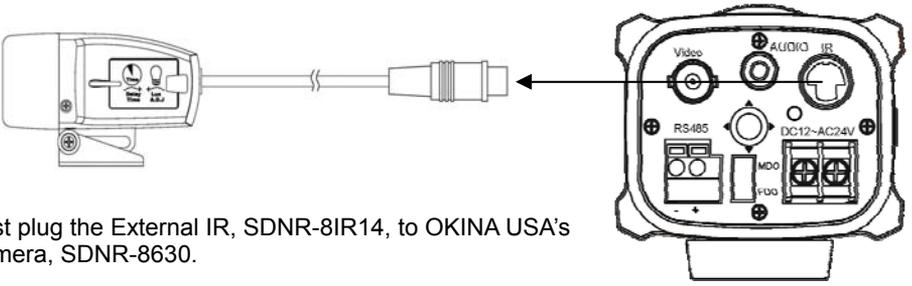
5. Take the External IR and attach it to the bracket with the small screw.



6. Adjust the External IR to desired position (forward or backward and up or down).



I/O CABLE



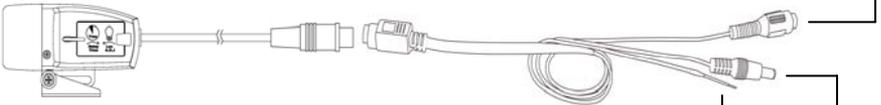
Just plug the External IR, SDNR-8IR14, to OKINA USA's camera, SDNR-8630.

INSTALLATION FOR OTHER CAMERAS

If the External IR is to be used with other cameras, additional accessories are required.

- S-Video Cable Splitter

12V DC, 1A input for IR power source



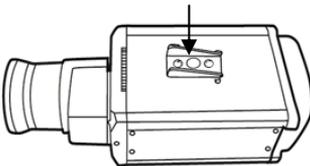
External 5V DC trigger. Depends on camera brand's own mode.

12V DC, 1A output for external device (camera)

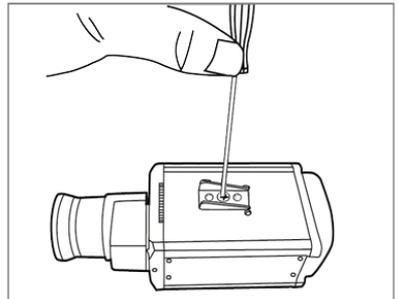
- No.6 Short Mounting Screw (for mounting bracket to camera)



1. Center the bracket position according to the middle hole.



2. Screw the No.6 short mounting screw so the bracket is tightly fastened to the camera.



SPECIFICATION

Model	SDNR-8IR14
IR LED	14pcs (4pcs Reflection / 10pcs 5Ø)
Photodiode	Built-in
IR Distance	100ft / 30m
IR Power Consumption	Low / High Power Switch
IR Trigger	Set in different illumination
IR Trigger Time	Set in different time
Power Source	12V DC \pm 10% / 500mA Combo with camera 12V DC \pm 10% / 1A
Power Consumption	2.5W
Current	220mA \pm 10%
Operating Temperature	14°F ~ 122°F / -10°C ~ 50°C
Storage Temperature	-4°F ~ 158°F / -20°C ~ 70°C
Dimension	2.4(W) x 1.63(H) x 2.78(D) inches 61(W) x 41.5(H) x 70.6(D) mm

Specifications are subject to change without notice.



www.okinausa.com

MADE IN TAIWAN

Copyright © 2012. All Rights Reserved.
www.okinausa.com