



SHD4-7540DN-B(W)
SSD4-7420-B(W)
SHD4-7540DN-BP(WP)
SSD4-7420-BP(WP)

Operational Manual

Day & Night Color Camera



Please read the Operational Manual before attempting to use this product.

FEATURES

- 1/3" Sony Super HAD CCD
- 540 TV Lines, HQ1 DSP SHD4-7540DN-B(W)
- 420 TV Lines SSD4-7420-B(W)
- 3.6mm Standard Lens
- 0.5 Lux @ F2.0 SHD4-7540DN-B(W)
- 0.3 Lux @ F2.0 SSD4-7420-B(W)
- Auto White Balance & Auto Gain Control
- 12V DC



CAUTIONS

1. Never point the camera toward the sun

Do not expose the lens directly to the sun or to strong light as this may damage the pick-up device.

2. Handle this camera with care

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

3. Requires a proper operating environment

This camera is designed for indoor use. The allowable temperature range for operation of this camera is between -10°C ~ 50°C and the allowable humidity is 85%RH maximum.

4. Clean the front face to the pick-up device

It is recommended that the pick-up device surface be cleaned before lens installation or whenever the lens is changed. Cleaning should be done by using a chamois, a very fine soft cloth, lens tissue, or cotton tipped applicator and ethanol to carefully remove any fingerprint or dust.

5. Check the power source voltage

The power source voltage should be within the specified range. (Camera must meet the specifications). Camera must be connected to a surge protector at all times.

6. Objects and liquid entry

Never push objects of any kind into this camera 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.

7. 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.

8. Damage requiring service

Unplug this video product from the wall outlet and refer service to qualified servicing personnel under the following conditions:

- a. When the power supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the video product.
- c. If the video product has been exposed to rain or water.
- d. If the video product has been dropped or the cabinet has been damaged.
- e. When the video product exhibits a distinct change in performance.



WARRANTY

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

1. Camera sticker is removed

If the camera 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 camera sticker; therefore, it should not be removed.

2. Camera is modified in any way

If the camera 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 camera in good condition.

3. Video or power cable is cut

The video cable and the power cable should not be tampered with. Cutting or modifying of the cables will result in termination of the warranty.

PACKAGE CONTENTS

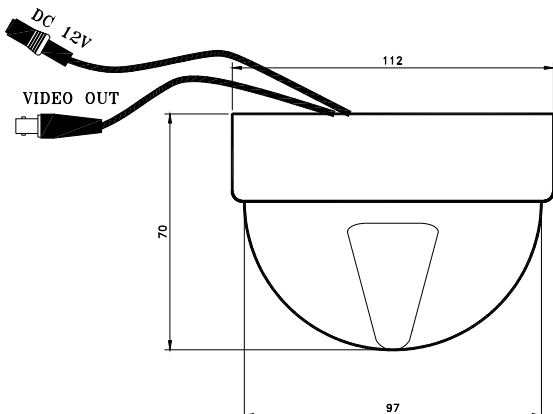
- One (1) SHD4-7540DN-B/SHD4-7540DN-BP, SHD4-7540DN-W/SHD4-7540DN-WP, SSD4-7420-B/SSD4-7420-BP, or SSD4-7420-W/SSD4-7420-WP Camera with video/power cable
- Three (3) Mounting Screws
- One (1) Operational Manual

SPECIFICATIONS

Model	SHD4-7540DN-B(W)	SHD4-7540DN-BP(WP)
TV System	NTSC	PAL
Image Sensor	1/3" Sony Super HAD CCD	
DSP	Sony HQ 1	
Number of Total Pixel	811(H) x 508(V)	795(H) x 596(V)
Video Output	1Vp-p Composite / 75 Ohm	
Resolution	540 TV Lines	
Minimum Illumination	0.5 Lux @ F2.0 Color mode automatically switches to B/W mode under 2.0 Lux	
Signal to Noise Ratio	More than 50dB (AGC Off)	
Synchronization System	Internal	
Electronic Shutter Speed Mode	Automatic 1/60~1/100,000 sec	Automatic 1/50~1/100,000 sec
Back Light Compensation	Automatic	
Auto Gain Control	Automatic	
White Balance	AWB	
Lead Free	YES	
Lens	3.6mm Standard Lens	
Power Supply	12V DC / 150mA	
Power Consumption	1.8W	
Operation Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Operation Humidity	Maximum 85%RH	
Dimension	112mm(D) x 70mm(H)	
Weight	220g	

Model	SSD4-7420-B(W)	SSD4-7420-BP(WP)
TV System	NTSC	PAL
Image Sensor	1/3" Sony Super HAD CCD	
DSP	Sony	
Number of Total Pixel	537(H) x 505(V)	537(H) x 597(V)
Video Output	1Vp-p Composite / 75 Ohm	
Resolution	420 TV Lines	
Minimum Illumination	0.3 Lux @ F2.0	
Signal to Noise Ratio	More than 48dB (AGC Off)	
Synchronization System	Internal	
Electronic Shutter Speed Mode	Automatic 1/60~1/100,000 sec	Automatic 1/50~1/100,000 sec
Back Light Compensation	Automatic	
Auto Gain Control	Automatic	
White Balance	ATW	
Lead Free	N/A	
Lens	3.6mm Standard Lens	
Power Supply	12V DC / 120mA	
Power Consumption	1.5W	
Operation Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
Operation Humidity	Maximum 85%RH	
Dimension	112mm(D) x 70mm(H)	
Weight	220g	

DIMENSIONS (Unit: mm)



DC 12V Input Polarity