

**SHDX-755AIDN-B**  
**SHDX-755AIDN-W**  
**SSDX-742AI-B**  
**SSDX-742AI-W**

**SHDX-755AIDN-BP**  
**SHDX-755AIDN-WP**  
**SSDX-742AI-BP**  
**SSDX-742AI-WP**

## Operational Manual

**AVAI 3-AXIS Dome Color Camera**



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

### FEATURES

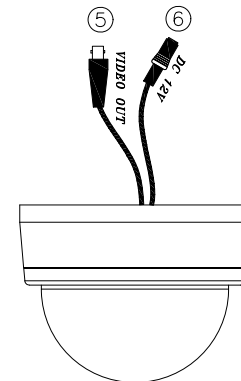
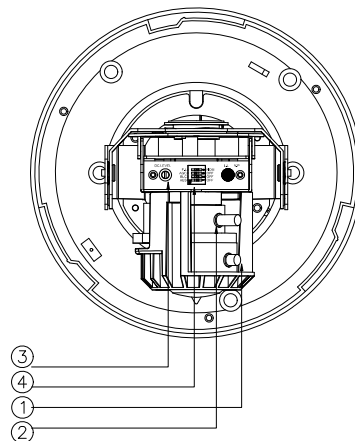
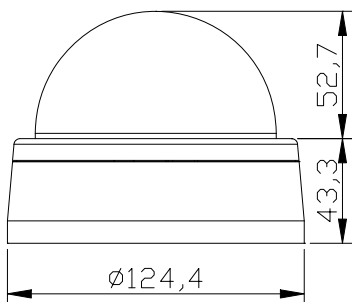
**SHDX-755AIDN-B / SHDX-755AIDN-W**  
**SHDX-755AIDN-BP / SHDX-755AIDN-WP**

- 1/3" Sony Super HAD CCD
- 550 TV Lines, HQ-1 DSP
- 2.9mm~10.0mm Aspherical Auto Iris Lens
- 0.25 Lux @ F1.2  
(Color mode automatically switches to B/W mode under 1.0 Lux)
- 3-AXIS design for any angle
- Day & Night Feature with Adjustable on/off Switch
- 12V DC

**SSDX-742AI-B / SSDX-742AI-W**  
**SSDX-742AI-BP / SSDX-742AI-WP**

- 1/3" Sony Super HAD CCD
- 420 TV Lines
- 2.9mm~10.0mm Aspherical Auto Iris Lens
- 0.15 Lux @ F1.2
- 3-AXIS design for any angle
- 12V DC

### DIMENSIONS (Unit: mm)



\*Day & Night Feature Available Only for SHDX Models

AVAI = Aspherical Vari-Focal Auto Iris

P = PAL Version

## NOMENCLATURE AND FUNCTION

1. FAR / NEAR
2. WIDE / TELE
3. DC LEVEL

The VR for adjusting the IRIS level of Auto Iris Lens.

#### 4. CONTROL SWITCHES

- Switch 1. D&N: Day & Night Mode (Color / D&N Switch) (**SHDX Models**)  
Switch 1. AES: Automatic Electronic Shutter (AES / OFF Switch) (**SSDX Models**)  
Switch 2. BLC: Back Light Compensation (BLC / OFF Switch)  
Switch 3. AGC: Automatic Gain Control (AGC / OFF Switch)  
Switch 4. Flickerless (FL / NOM Switch)

#### 5. VIDEO CONNECTOR

This is an output for connection to a video monitor, etc (75 ohms).

#### 6. POWER INPUT TERMINAL

Connect the power supply of 12V DC.

## CONTROL SWITCH OPERATION

### (1). Color / D&N (SHDX Models)

Color: Color mode. (Normal position)

D&N: Day and Night Switch. Color mode automatically switches to B&W mode under 1.0 Lux.

### (1). AES/OFF (SSDX Models)

AES: Automatic Electronic Shutter. The range of shutter speed from 1/60sec (1/50sec) to 1/100,000sec. This mode is employed for using a manual iris lens.

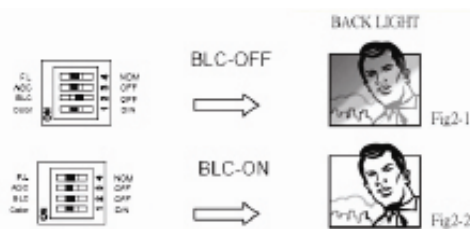
OFF: AES OFF. The shutter speed is 1/60sec (1/50sec).

**When an auto iris lens is applied, AES should be off.**

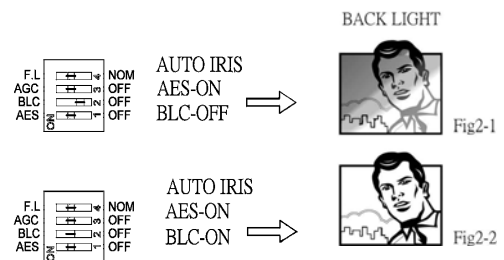
### (2). BLC/OFF

BLC: Back Light Compensation. When the object is dark by strong light (sunlight etc....) as (Fig.2-1), please turn on BLC to make object become bright as (Fig.2-2).

OFF: BLC OFF. (**SHDX Models**)



OFF: BLC OFF. (**SSDX Models**)



### (3). AGC/OFF

AGC: Automatic Gain Control. The level of gain Varies from 0 to 26dB.

OFF: AGC OFF. The level of gain is fixed at 0dB.

### (4). FL/NOM

FL: Flickerless. In FL mode, the shutter speed is 1/100sec. (NTSC system) / 1/120sec. (PAL).

If choose FL mode, [AES] switch should be off.

NOM: Normal position.

## SPECIFICATIONS

Model	SHDX-755AIDN-B(W)	SHDX-755AIDN-BP(WP)	SSDX-742AI-B(W)	SSDX-742AI-BP(WP)
TV System	NTSC	PAL	NTSC	PAL
Image Sensor	1/3" Sony Super HAD CCD			
DSP	Sony HQ-1		Sony	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)	537(H) x 505(V)	537(H) x 597(V)
Video Output	1.0 Vp-p Composite, 75 ohms (BNC Connector)			
Resolution	550 TV Lines		420 TV Lines	
Minimum Illumination	0.25 Lux @ F1.2 Color mode automatically switches to B/W mode under 1.0 Lux		0.15 Lux @ F1.2	
S/N Ratio	More than 50dB (AGC OFF)		More than 48dB (AGC OFF)	
Synchronization	Internal			
Back Light Compensation	ON/OFF Switchable			
Auto Gain Control	ON/OFF Switchable			
Auto Electronic Shutter	Auto		ON/OFF Switchable	
Day & Night	Color / D&N Switchable		N/A	
Flickerless	ON/OFF Switchable			
White Balance	AWB		2500°K ~ 9200°K	
Lens	2.9mm~10.0mm Aspherical Auto Iris Lens Lens Made in Japan			
Power Supply	12V DC			
Power Consumption	2.0W (166mA)		1.8W (150mA)	
Operation Temperature	14°F ~ 122°F / -10°C ~ +50°C			
Storage Humidity	Maximum: 85%RH			
Dimension	4.90"(D) x 3.78"(H) / 124.4mm(D) x 96mm(H)			
Weight	0.77lbs / 350g			

\*Specifications are subject to change without notice

## LIST OF COMPONENTS

- One (1) SHDX-755AIDN-B/SHDX-755AIDN-BP, SHDX-755AIDN-W/SHDX-755AIDN-WP, SSDX-742AI-B/SSDX-742AI-BP, or SSDX-742AI-W/SSDX-742AI-WP Camera with video/power cable
- Two (2) Screws
- One (1) Operational Manual

\* 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 or if any cable is cut or tampered with.



## 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 14°F ~ 122°F / -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 or 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**

OK-I 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.