

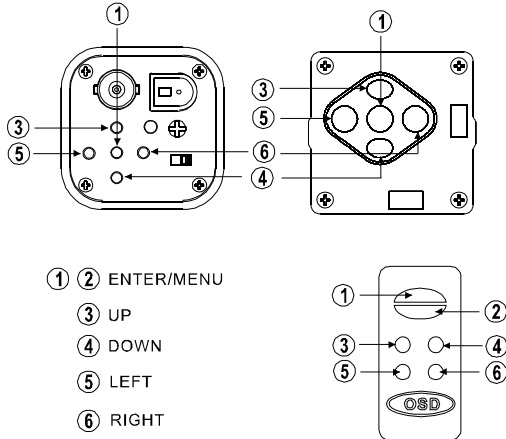
OSD CAMERA USER MANUAL

Model No. _____

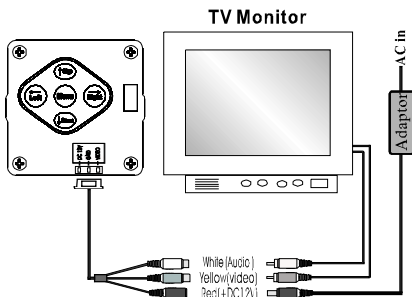
GENERAL

Thank you for choosing our cameras.
 These CCD cameras are not only easy to install but achieve an excellent reliability record.
 Before attempting to connect or operate it, please read and follow these instructions.

FUNCTION EXPLAIN



CONNECTION



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

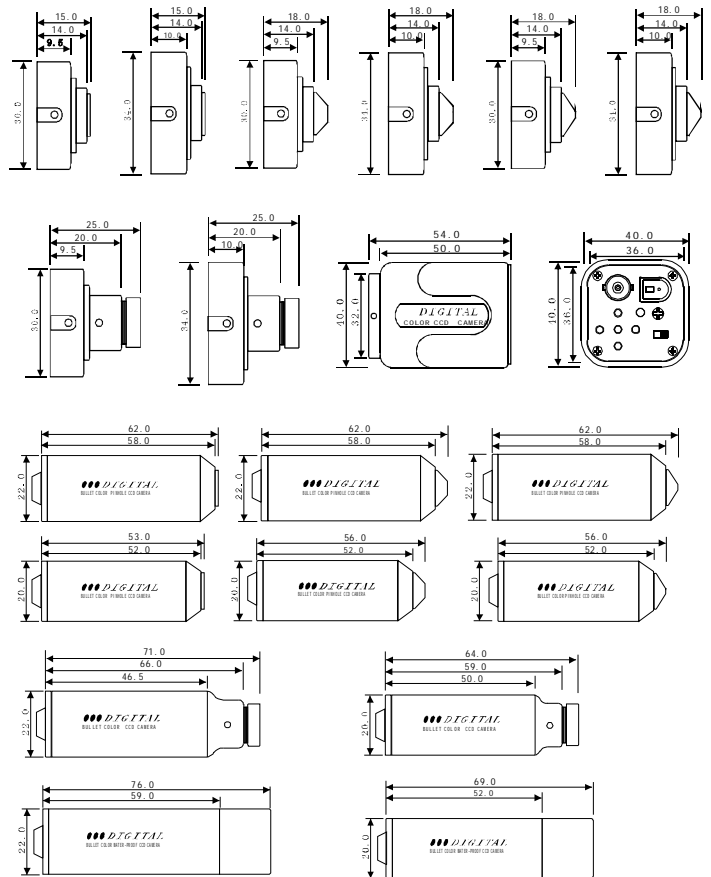
CAUTION

1. A regulated DC 12V 300mA power supply is recommended for use with this camera for the best picture and the most stable operation. An unregulated power supply can cause damage to the camera. When unregulated power supply is applied, product warranty will be out of subject.
2. It is recommended that the camera is used with a monitor that has a CCTV quality 75 video impedance level. If your monitor is switched to high impedance then please adjust accordingly. If the monitor do not have the impedance adjust switch, please ask us for a camera suitable for your monitor.
3. Do not attempt to disassemble the camera to gain access to the internal components. Refer servicing to qualified service personal.
4. Never face the camera towards the sun or spot light or light reflecting objects. Any bright light may cause smear on the picture and possible damage to the CCD.
5. Except the weather-proof camera, do not expose the camera to rain or moisture. Do not try to operate the camera in wet area. Moisture can damage the camera and can create the danger of electric shock.
6. Do not remove the serial printer for the warranty service.
7. Do not use strong or abrasive detergents when cleaning the camera body.

SPECIFICATION

Signal format	PAL/NTSC	
Image Sensor	1/3 Sony CCD	Super HAD CCD
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL	768(H)x494(V)-NTSC 752(H)x582(V)-PAL
Scanning System	NTSC : 525 Lines, 60 Field/Sec, PAL: 625 Lines, 50 Field/Sec	
Sync System	Internal Synchronization	
Resolution	420TVL	480TVL
S/N ratio	Selectable	
Gamma Characteristic	Selectable	
Illumination Sensitivity	0.5 Lux/ D:0.5Lux;N:0.05Lux	
Gain Control	Selectable	
B. L. C.	Selectable	
White Balance	Selectable	
Electronic Shutter Speed	Selectable	
Video Output	Selectable	
Mirror image	Selectable	
Day & Night	Selectable	
Power supply	DC12V±10%	
Current Consumption	80mA±10%	100mA±10%
Operating Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	

CONSTRUCTION



WARRANTY

Products are supplied with one year limited warranty. This warranty applies to the original purchaser only. This warranty will be invalid if unauthorized repair or modification are made to the unit or in any case of accident, misuse or damage caused by improper installation or altered serial numbers.

ON-SCREEN DISPLAY

SET UP	
LENS	DC↔ / VIDEO / MANUAL
SHUTTER	FLK / FIXED↔ / MANUAL↔ / AUTO↔
BLC	ON↔ / OFF
AGC	ON↔ / OFF
WHITE BAL	ATW / AWB / FIXED↔ / MANUAL↔
FUNCTION	↔
ADJUST	↔
EXIT	

1.Lens

1.1 DC Drive : brightness adjustable , from 000 to 255
 BRIGHTNESS 000-255

2.Shutter:

2.1 Shutter Fixed: from 1/50 to 1/100,000 selectable
 1/50; 1/120; 1/ 250 ; 1/500; 1/2,000; 1/5,000; 1/10,000; 1/100,000

2.2 Shutter Manual:
 SHUTTER M. 000-255

3.BLC (back light compensation):

3.1 BLC on:
 3.1.1BLC Area: use "up" "down" "enter" choose the BLC adjusted area, then press "enter" 2 seconds, clear then reset, or set then exit.



ALL CLEAR 8X8
 ALL SET
 RETURN
 EXIT

3.1.2 BLC Ratio: adjustable 00-63

BLC SETUP
 BLC AREA↔ 00-63
 BLC RATIO 00-63
 ↔:RETURN

4.AGC (auto gain control):

4.1 AGC on:
 AGC GAIN 000-255

5.White Balance:

5.1 :AWB Fixed: MODE 1 (normal), MODE 2 (blue),
 MODE 3 (yellow),MODE 4 (green)

5.2 AWB Manual

AWB MANUAL
 RED 000-255
 BLUE 000-255
 ↔:RETURN

6 Adjust

Contrast 000-255
 Sharpness 00-31
 CB_Gain 000-255
 CR_Gain 000-255
 ↔:RETURN

FUNCTION

RETURN	ON↔ / OFF
CAMERA ID	ON↔ / OFF
MIRROR	ON↔ / OFF
DAY NIGHT	B/W↔ / COLOR / AUTO↔
MOTION	On↔ / OFF
PRIVACY	ON↔ / OFF
GAMMA	0.05 / 0.10 / 0.15...0.70
LANGUAGE	ENGLISH / 汉(简) / 汉(繁) / H / KOREA
RESET	↔

1.Camera ID

1.1 Camera ID on : use "right" "left" set the camera name. "Enter" confirm camera name, "C" cancel the name ↔exit name set.

ID SETUP
 CAMERA ID ↔:C (Cancel)
 POSITION↔
 ↔:RETURN

2.Day Night

2.1 Day night Auto:
 2.1.1 You can set the conversion time from one mode to another (color to B/W)
 2.1.2 You can set when the camera convert mode, when the camera return the first mode

DAY NIGHT AUTO
 DELAY 000-63
 START LEVEL 000-255
 END LEVEL 000-255
 ↔:RETURN

3. Motion (Using this function need other device work together)

AREA↔
 MOTION TH 000-255
 MOTION TRACE ON/OFF
 ↔:RETURN

3.1 Motion Area: use "up" "down" "enter" choose the area which will be record when something move , then press "enter" several second, clear then reset, or set then exit.



ALL CLEAR 8X8
 ALL SET
 RETURN
 EXIT

4. Privacy

4.1 Area select: there are 4 area which can't be monitor on screen. When area state is on,set the parameter of "left" "right" "top" "bottom" to set the area place. Also can using different color to mark different area.

AREA SEL AREA STATE AREA0,1,2,3
 ON/OFF 000-255
 LEFT 000-255
 RIGHT 000-255
 TOP 000-255
 BOTTOM 000-255
 COLOR 000-015
 RETURN

5. Gamma preference : from user (0), 0.05, 0.15, 0.20, 0.25... .. to 1.0