

Model No. **DPC-420A**

DPC-420A OSD Camera / 420-Line

f3.6mm lens, 12VDC

4-Pin AIV Cable, U-Bracket

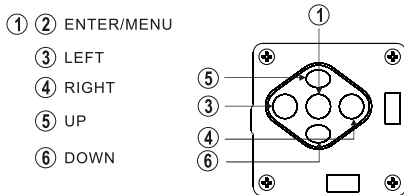
OSD CAMERA USER MANUAL

Thank you for choosing DPC cameras.

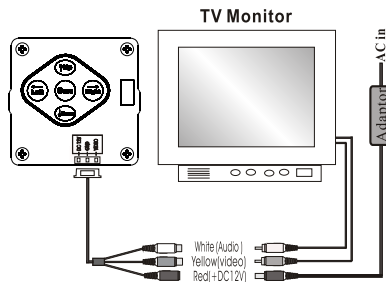
These CCD cameras are not only easy to install but achieve an excellent reliability record.

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

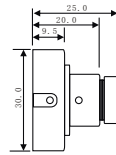
CAUTION

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
Effective Pixels	510(H)x492(V)-NTSC 500(H)x582(V)-PAL
Scanning System	NTSC : 525 Lines, 60 Field/Sec, PAL: 625 Lines, 50 Field/Sec
Sync System	Internal Synchronization
Resolution	420TVL
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%
Operating Temperature	-10°C ~ +50°C
Storage Temperature	-20°C ~ +60°C

CONSTRUCTION



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:

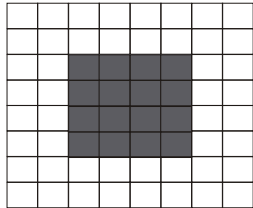
SHUTTER M. 000-255



3. BLC (back light compensation):

3.1 BLC on:


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



ALL CLEAR
ALL SET
RETURN
EXIT

8X8

3.1.2 BLC Ratio: adjustable 00-63

BLC SETUP	
BLC AREA↔	
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	
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) / 日 / 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)

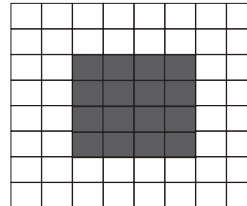
2.1.2 You can set when the camera convert mode, when the camera return the first mode

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
ALL SET
RETURN
EXIT

8X8

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	AREA0,1,2,3	
AREA STATE	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