

Model No. **DPC-540A**

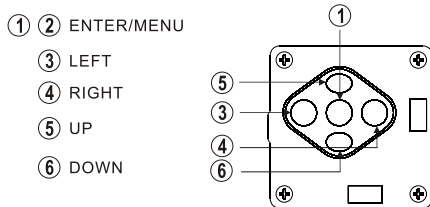
**DPC-540A OSD Camera / 540-Line**

f3.6mm lens, 12VDC  
4-Pin A/V Cable, U-Bracket

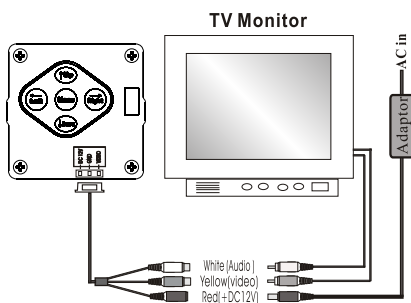
**OSD CAMERA USER MANUAL**

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

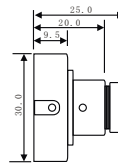
**CAUTION**

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	Super HAD CCD
Effective Pixels	NTSC: 768 x 494 PAL: 752 x 582
Scanning System	NTSC : 525 Lines, 60 Field/Sec, PAL: 625 Lines, 50 Field/Sec
Sync System	Internal Synchronization
Resolution	540 TVL
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:**

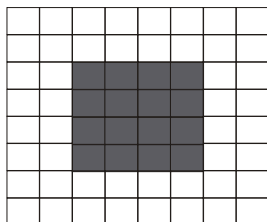
2.1 Shutter Fixed: from 1/50 to 1/100,000 selectable  
 1/50; 1/120; 1/ 250 ; 1/500; 1/2,000; 1/5,000; 1/10,000; 1/100,000

2.2 Shutter Manual:  
 SHUTTER M. 000-255



**3.BLC (back light compensation):**

3.1 BLC on:  
 3.1.1BLC 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) / 漢(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 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 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