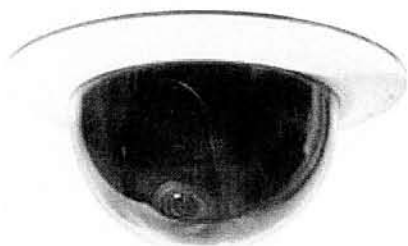


3D-DNR Dome Camera

DC Auto Iris Varifocal Lens(2.8mm-12mm)



- DO 673VT
- 550TV Lines
- DC Auto Iris Varifocal Lens(2.8mm-12mm)
- Day/Night Capability



SPECIFICATIONS

MODEL	DO 673VT
Sensor	1/3" SONY Super HAD CCD
Total Pixels	NTSC=811(H) * 508(V) / PAL=795(H) * 595(V)
Effective Pixels	NTSC=768(H) * 494(V) / PAL=752(H) * 582(V)
Scanning System	2:1 Interlace
Synchronization	Internal
O.S.D	Available
Backlight	BLC / HSBLC / Off Selectable
Resolution	550TV Lines(Color), 600TV Lines(B/W)
S/N (Y signal)	52dB (AGC Off, Weight On)
Min. Illumination	0.00001Lux(Sens-Up * 258)
White Balance	ATW / AWB / Manual / AWC →SET
Electronic Shutter Speed	AUTO (1/50sec, 1/60sec ~ 1/120,000sec)
Sense-Up	Off / Auto(Selectable limit *2 ~ *258)
Gain Control	High, Middle, Low, Off Selectable
3 DNR	Off/On (1~50 Level Adjustable)
D-WDR	Indoor / Outdoor / Off
Motion Detection	On/Off (4 Zone, Alarm Output)
Privacy	On/Off (8 Zone)
Mirror	Off / Mirror / V-Rev / Rotate
Freeze	On/Off
Sharpness	0~31'(Level Adjustable)
D&N Selection	Color /BW /Auto
Digital Zoom	On(*32) / Off
Blemish Compensation	256 Point (Even 128 Point, ODD 128 Point)
Power	Dual Power AC 24V / DC 12V
Power Consumption	120mA
Lens	DC Auto Iris Varifocal Lens(2.8mm-12mm)
Operating Temperature/Humidity	-10°C ~ +50°C, RH 95% Max.
Storage Temperature/Humidity	-20°C ~ +60°C, RH 95% Max.
Dimension	178mm(W) * 78mm(H) * 178mm(D)
Weight	500g

General Features

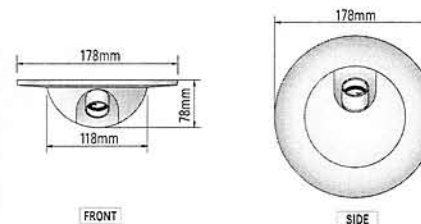
- * UP-Most High Resolution : Color - 550TV Lines / B/W - 600 TV Lines
- * Built - In Next Generation 3D DNR with 3D Filter
- * Max. Sens-Up (x258), 0.00001 Lux of Min. Illumination
- * Convenient OSD Control Function
- * x32 Digital Zoom
- * Free Area Selectable Function of BLC and MD
- * Privacy Color Masking for 8 Area Selection
- * Max 70% of Disk Saving Effect with Super DNR
- * Negative Image Function

SETTING

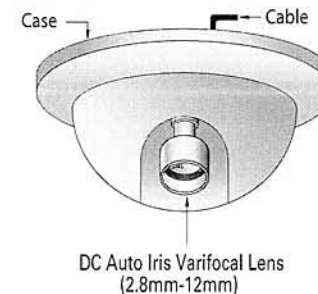
Settings can be made using the OSD button located in the dome housing.



Dimension



HOW To Install



Camera Adjustment

- 1 Connect Video & Power Line (Dual Power AC 24V / DC 12V).
- 2 Please set the position where you want to connect the camera.
- 3 Loosen the locking screws and adjust camera angle.
- 4 Combine each camera part and lock & tight the each locking screw.

3D-DNR EASY QUICK MANUAL TO SET UP THE OSD MENU

* There are three user selectable White Balance settings available.

- ◆ **ATW** : (Auto Tracking White Balance)
Normal setting: when the colour temperature range is from 1,800 °K to 10,500 °K. (E.c's fluorescent lamp or outdoors)
- ◆ **AWB** : The White Balance is automatically adjusted in a specific environment.
- ◆ **AWC** → **SET** : To obtain the best results press the SET button while the camera is focused onto white paper. If the environment, and/or light source changes, the White Balance will require re-adjustment.
- ◆ **MANUAL** : Used for fine adjustment of White Balance. Set White Balance first using ATW or AWC then change to MANUAL and press SETUP button. Increase or decrease the value of R-Gain(RED) and B-Gain (Blue) while monitoring the colour of the image.

WHITE BAL

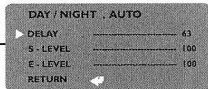
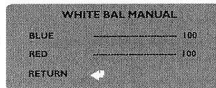
- ◆ **COLOUR** : The picture is always displayed in colour.
- ◆ **B/W** : The picture is always displayed in black and white
- ◆ **AUTO** : The mode is automatically switches to COLOUR in normal conditions and switches to B/W mode when ambient illumination is low. To set the switching time or speed in AUTO mode, press the SET button.

DAY / NIGHT

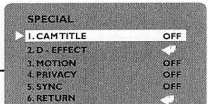
- ◆ **ON** : Activates 3DNR - Digital noise reduction can be adjusted between 0 - 100.
- ◆ **OFF** : Deactivates 3DNR - noise is not reduced.

3D DNR

SPECIAL



- When CAMERA TITLE is set to OFF, the CAMERA TITLE is not displayed on the monitor.



The CAMERA TITLE can be up to 15 alphanumeric characters in length.



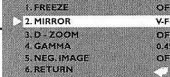
3D-DNR EASY QUICK MANUAL TO SET UP THE OSD MENU

- Choose a character in displayed range A-Z, a-z, 0-9 using the Up, Down, Left and Right buttons.
- Select the desired character by pressing the SETUP button.
— The cursor moves to the next position, after character input, by pressing the SETUP button.
- Repeat the above steps until the Camera ID has been created.

CAMTITLE

- ◆ **V-FLIP** : Flip the image vertically on the screen.
- ◆ **ROTATE** : Flip the horizontal image vertically on the screen.
- ◆ **OFF** : Disabled.

D - EFFECT



D - ZOOM : Digital zoom available, range x1 - x32.
PAN : The pan range can be controlled between -10 - + 100
TILT : The pan range can be controlled between -10 - + 100

GAMMA : Desired gamma values can be adjusted between 0.05 - 1.00.

NEG. IMAGE :
ON : Activates negative image just like film
OFF : Normal image

RETURN : Move the arrow indicator to RETURN after complete the setup to return to SPECIAL menu.

MOTION :

When the special menu screen is displayed, use the Up or Down button to access the MOTION menu.

- ◆ **AREA SELECT** : Determines whether the MID area selected AREA 1, 2, 3, 4.
- ◆ Move the arrow indicator to select the **HEIGHT** of cells to increase or decrease by using the Left / Right button between the level 0 - 100.
- ◆ Move the arrow indicator to the **LEFT / RIGHT** and **TOP / BOTTOM** to select the desired area position by using the LEFT or RIGHT button.
- ◆ Move the arrow indicator to select the **WIDTH** of cells to increase or decrease by using the Left / Right button between the level 0 - 100.
- ◆ Move the arrow indicator to select the **SENSITIVITY** to increase or decrease by using the Left / Right button between the level 0 - 40.

- In cases where the wrong Camera ID has been input.....
Move the cursor to CLR and press SETUP button to erase characters from left to right, and repeat the above steps to input the characters again.



Move the cursor to POS and press the SET button to set the camera title position.

- Select a new position by using the four directional buttons. Press the SET button to confirm the position.



MIRROR ON

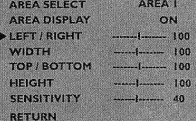


MIRROR OFF

D - ZOOM



MOTION



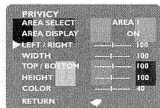
3D-DNR EASY QUICK MANUAL TO SET UP THE OSD MENU

PRIVACY

Hide an area you want to hide on the screen.

- * When the SPECIAL menu screen is displayed, press the Up and Down buttons to set to PRIVACY.

▶ PRIVACY



Set up the area made using the 4 direction buttons.
 = AREA SELECT : You can select up to 8 MD area.

- = AREA DISPLAY : OFF : Disabled
 ON : Activates area display

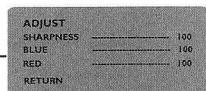
* Move the arrow indicator to WIDTH to make desired width of cells to increase or decrease by using the Left / Right button between the level 0 ~ 100.

* Move the arrow indicator to HEIGHT to make desired height of cells to increase or decrease by using the Left / Right button between the level 0 ~ 100.

* Move the arrow indicator to the LEFT / RIGHT and TOP / BOTTOM to select the desired area position by using the LEFT or RIGHT button.

* Move the arrow indicator to COLOR to select the desired color of each area cell by using the Left / Right button between the 15 different color.

▶ ADJUST

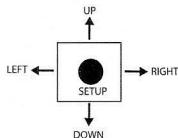
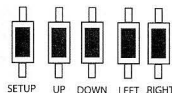
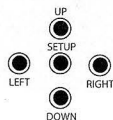


* SHARPNESS : Improving image clarity. The level can be adjusted to obtain an improved image. However, when the level is set too high it can distort the image or cause noise.

* Select BLUE or RED to increase or decrease the value of R-Gain(BLUE) and B-Gain(BLUE) while monitoring the color of the image.

RETURN : Move the arrow indicator to RETURN after complete the setup to return to SETUP menu.

OSD CONTROLLER TYPE



3D-DNR EASY QUICK MANUAL TO SET UP THE OSD MENU

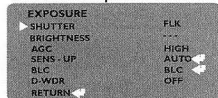
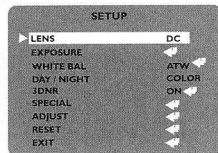
Menu items can be selected by using the OSD buttons of the camera.

1. Press the Set Up button.

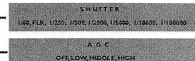
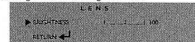
- The Set Up menu will be displayed on the monitor.

2. Move and select the required function using the Up and Down button.

- Move the arrow indicator Up or Down to select the desired feature by pressing the Up or Down button.



- When DC is selected, the brightness can be adjusted. The brightness control range is 1 ~ 100.



- * FLK : Select FLK mode when flickering occurs; caused by the unmatched frequency of electric lights.

