

## GENERAL FEATURES

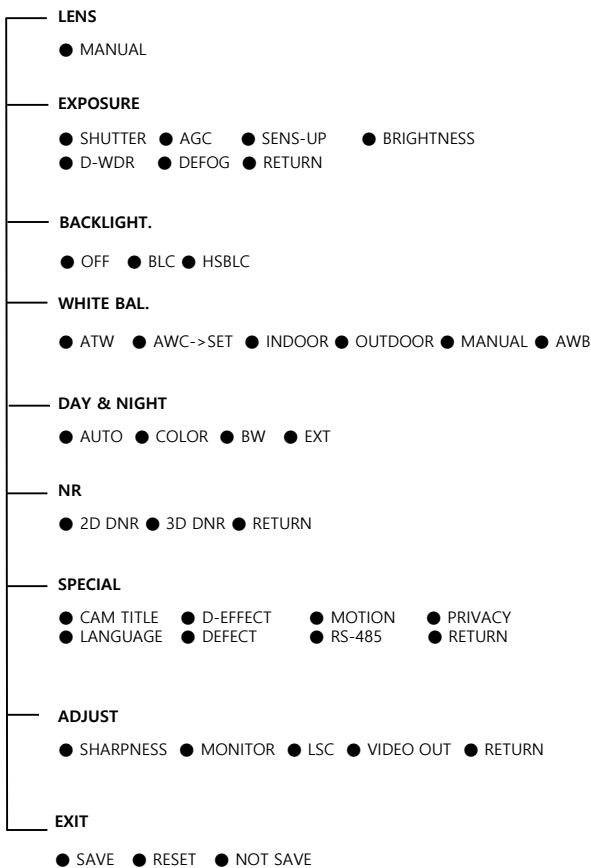
1. 2MEGA 1080P HIGH RESOLUTION
2. D-WDR / D-FOG / DNR / HSBLC / SMART-IR
3. MECHANICAL TRUE DAY / NIGHT
4. SPLIT GLASS WITH NON-IR REFLECTION TECHNOLOGY
5. UTC (Coaxial Communication)

## OSD CONTROL

\* OSD menu could be controlled by UTC or by optional Joystick

OSD Joystick (optional)

## OSD Menu Tree



## OSD MENU DETAILS

### 1) LENS <MANUAL>

- This model is only for Manual so please keep 'Manual' mode when using this product.

### 2) EXPOSURE

<SHUTTER / AGC / SENS-UP / BRIGHTNESS /D-WDR / DEFOG / RETURN>

**SHUTTER** : Adjust shutter settings in Indoor mode only.

- FLK mode reduces on-screen flickering.
- Electronic Shutter Control(AUTO) adjusts brightness level on screen.
- Manual mode allows you to adjust the shutter speed from 1/25~1/50,000 and also X2 ~ X30.

**AGC** (Auto Gain Control) : 0~15 Level Adjustable.

- Control Gain Noise to get proper image quality.
- Set AGC Mode as High to get brighter image but more noises of the picture.

**SENS-UP** : On / Off (X2~X30 Level Adjustable)

- Automatically detect light level and maintains a clear picture.

**BRIGHTNESS** : Adjust Brightness of the lens (1~100 Steps)

**D-WDR** : (Digital Wide Dynamic Range) : On/ Off

- To distinguish an object in both bright and dare areas

**DEFOG** : On / Off

- To defog when the video or the weather is foggy.
- Set the desired area and gradation level.

### 3) BACKLIGHT : Off / BLC / HSBLC

**BLC** : Deliver a distinctive subject and background at the same time, even when the subject is in backlight

**HSBLC** : To mask a strong light at the designated area.

### 4) WHITE BAL.

<ATW / AWC-SET / INDOOR / OUTDOOR / MANUAL/AWB>

**ATW** : Auto Tracking White Balance.

- Use this mode when the color temp. is between 1,800~10,000K

**AWC->SET** :

- To find the optimal setting for current luminance environment in this mode. Set the point the camera towards a sheet of white paper and press the Joystick S/W. If the environment changes, readjust it.

**INDOOR** : when the camera is installed indoor.

**OUTDOOR** : When the camera is installed outside

**MANUAL**

- To fine-tune White Balance manually. Set White balance first by using ATW or AWC mode before Manual mode. After that , if there is still a white balance issue, switch to manual mode and have a fine-tune. Manual mode allows you to increase or decrease the red or blue factor.

**AWB** : Auto White Balance

### 5) DAY / NIGHT <AUTO / COLOR / BW / EXT>

**AUTO** : No Use for IR cameras.

**COLOR** : Display always color picture

**B/W** : Display always B/W picture

- **IR Smart** : Set the level and area to see the IR saturated object.

**EXT** : Automatic D/N switching by using external signals.

### 6) NR <2D DNR / 3D DNR>

- To reduce the background noise in a low luminance environment with 2D + 3D filtering system.

### 7) SPECIAL

**CAM TITLE** : To display a title on the monitor.

**D-EFFECT** : <Freeze / Mirror / Return>

- Freeze : To hold the image to analyze precisely.
- Mirror : Change the video direction. Mirror / V-Flip
- NEG. Image :<On/Off>

**MOTION** :

- A signal is generated by the camera whenever motion is detected. You can define 4 areas and control its sensitivity.

**PRIVACY** :

To mask area which you want to mask. 4 areas selectable.

**LANGUAGE** : 16 International OSD languages are supported.

**DEFFECT** : Use this mode when Dead Pixel is occurred.

- Live DPC : It corrects "Dead Pixel" while the camera is activated.
- White DPC : It corrects " White Spot" when the camera is firstly used.
- Black DPC : It corrects " Black Spot" when the camera is firstly used.

### 8) ADJUST

**SHARPNESS** : Level Adjustable.

**MONITOR** : CRT / LCD modes are provided.

**LSC** : Lens Shading Correction.

**VIDEO OUT. NTSC / PAL** : Select your TV system and resolution.

### 9) EXIT