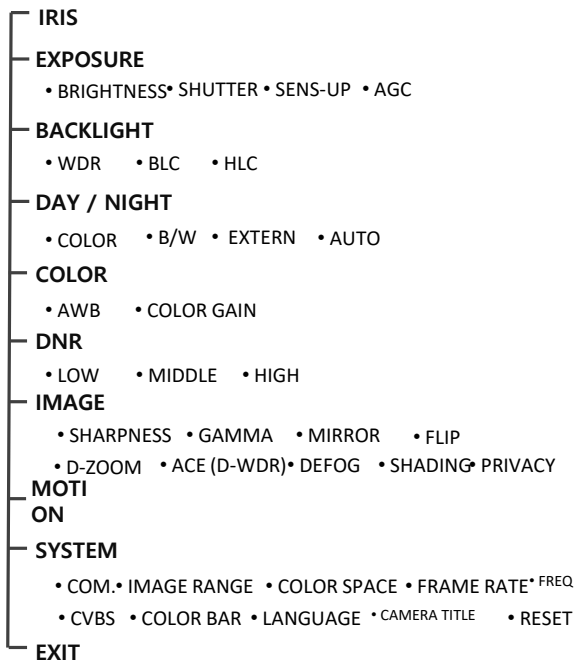


GENERAL FEATURES

1. 2MEGA 1080P HIGH RESOLUTION
2. WDR / HLC / DNR
3. DAY / NIGHT
4. SPLIT GLASS WITH NON-IR REFLECTION TECHNOLOGY

OSD CONTROL

OSD MENU TREE



OSD Controls

[Enter/Set] : Enters the OSD Menu, Selects the desire option.

[Directional Buttons] : Navigates through the OSD Menu.

OSD MENU DETAILS

IRIS : Controls various settings related to the lens.

- ALC (Automatic Light Control) : Used with DC auto iris lens only
- ELC (Electronic Light Control) : Used with manual lens only

EXPOSURE : Adjusts exposure settings.

- BRIGHTNESS : Adjusts image brightness. (0~ 20)
- SHUTTER : Auto / Manual Shutter can be selectable
 - AUTO : Shutter can be selectable automatically.
 - FLICKER(Flicker Less) : Selects this when picture flickering. The picture flickering can be caused by a clash with the frequency of the installed lighting.
 - Manual : Controls the shutter speed manually from 1/30 ~1/30000
- SENS-UP : Sets the desired multiple of the digital exposure length. (OFF/x2 ~ x32)
- AGC(Auto Gain Control): Adjusts the AGC level. (0~10)

BACKLIGHT : Adjusts backlight options.

- WDR : WDR illuminates darker areas of an image while retaining the same light level for brighter areas to even out the overall brightness

of images with high contrast between bright and dark area
- Adjusts the WDR Weight (LOW/MIDDLE/HIGH)
* CVBS out cannot adjust this function.

- BLC : Produces a clearer image of an object darkened by strong backlighting.
 - H-POS : Adjusts the horizontal position(0~20)
 - V-POS : Adjusts the Vertical position(0~20)
 - H-SIZE : Adjusts the horizontal block size (0~20)
 - V-SIZE : Adjusts the vertical block size (0~20)
- HLC : Uses to contain extremely bright areas such as from car headlight, the light can be masked out much of the on-screen details.

DAY / NIGHT : Adjust Day / Night options.

- COLOR : Always Color mode.
- B/W : Always B/W mode.
 - ANTI-SAT. : Adjusts the Anti Saturation level (0~20)
- EXT : This mode allows you to apply a desired filter to external signals. (ICR Version only)
 - ANTI-SAT. : Adjusts the Anti Saturation level (0~20)
 - EXTERN S/W : Selected at manufacturer side
 - D → N LEVEL (0~20) : Selected at manufacturer side
 - N → D LEVEL (0~20) : Selected at manufacturer side
 - DELAY : Adjusts the changing delay time (LOW/MIDDLE/HIGH)
- AUTO : Automatically determines the D/N switching points
 - ANTI-SAT. : Adjusts the Anti Saturation level (0~20)
 - AGC THRES : Adjusts AGC THRES (0~20)
 - AGC MARGIN : Adjusts AGC margin (0~20)
 - DELAY : Adjusts the changing delay time (LOW/MIDDLE/HIGH)

COLOR : Adjusts white balancing options.

- AWB : it goes to optimized color level automatically.
- COLOR GAIN : Sets the desired Color Gain value (0~20)

- DNR : Uses to reduce the background noise in a low luminance environment with 2D + 3D filtering system.
 - Adjusts the DNR level (LOW/MIDDLE/HIGH)

IMAGE : Adjusts various image options.

- SHARPNESS: Adjusts sharpness level. Increasing this value, the picture outline becomes stronger and clear. (0~10)
- GAMMA : Sets the desired Gamma value. (0.45 ~ 0.75)
- Mirror : Change the video direction horizontally.
- FLIP: Change the video direction perpendicularly.
- D-Zoom : Digital zoom up to x8 will be activated.
- ACE (D-WDR) : Uses a digital wide dynamic range to balance dark and saturated areas within the image.
- DEFOG : Activated this mode when the video or the weather is foggy.
- SHADING : Sets the Lens Shading Compensation value. (ON/OFF)
- PRIVACY : Used to hide regions of the image.
 - ZONE NUM : Selects the zone number up 15.
 - ZONE DISP : Selects desired zone with ON or OFF
 - H-POS : Adjusts the horizontal position(0~60)
 - V-POS : Adjusts the vertical position(0~40)
 - H-SIZE : Adjusts the horizontal size(0~40)
 - V-SIZE : Adjusts the vertical size(0~40)
 - Y-LEVEL : Adjusts the yellow color level (0~20)
 - CR LEVEL : Adjusts the red color level (0~20)
 - CB LEVEL : Adjusts the blue color level (0~20)

MOTION : Adjust motion detection settings.

- SENSITIVITY : Sets the desired of "Motion" (0~20)
- WINDOW TONE : Adjusts the window tone value (0~60)
- WINDOW USE : Adjusts the window setting size (0~3)
- WINDOW ZONE : activate or deactivate motion window
- DET H-POS : Adjusts the horizontal position(0~60)
- DET V-POS : Adjusts the vertical position(0~40)
- DET H-SIZE : Adjusts the horizontal size(0~60)
- DET V-SIZE : Adjusts the vertical size(0~40)
- ALARM : Select Alarm between ON of OFF

SYSTEM : Adjusts various camera system options.

- COM.
 - CAM ID : Sets the camera ID for the RS-485 (0~255)
 - BAUD RATE : Sets the baud rate for the RS-485 (2400~115200).
- IMAGE RANGE
- COLOR SPACE
 - FRAME RATE: Select the frame rate 25fps/30fps/50fps/60fps according to the video output mode.
 - CVBS: Selects the TV system between NTSC or PAL.
 - COLOR BAR : Manufacturer's option
 - LANGUAGE : Sets the desired OSD language
 - RESET: Press with long to reset all settings to factory defaults.

- EXIT : Press Set Button in the EXIT menu to save the current settings and exit Main Menu