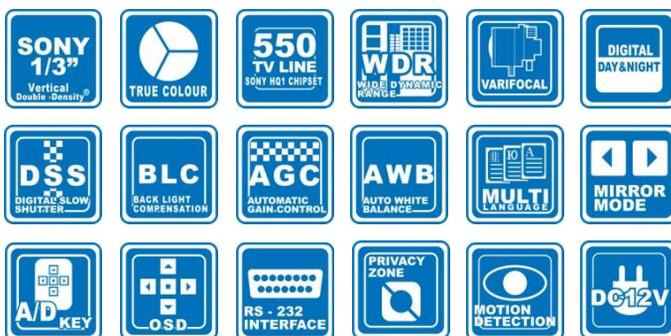**ACE-WDR380NHV14**

WDR Board Module

- **Sony 1/3" Vertical Double-Density Interline CCD**
- **Powerful WDR (Wide Dynamic Range) Performance**
- **550TVL Horizontal Resolution**
- **Digital Day & Night**
- **DSS Low Light Technology**
- **Multi-Language OSD**
- **Privacy Masking / Motion Detection / Mirror Mode**

Key Features

- **Sony 1/3" Vertical Double-Density Interline CCD**
- **Powerful WDR (Wide Dynamic Range) Performance**
- **550TVL Horizontal Resolution**
- **Digital Day & Night**
- **Fixed Iris Board, Pinhole, C/CS Mount, Varifocal Lens**
- **Intensified DSS accumulation field number up to 500x**
- **On Screen Display (OSD) Menu**
  (OSD Languages: English, Spanish, German, Russian, Chinese)
- **Privacy Image masking up to 8 areas**
- **Motion Detection with level adjustment**
- **Mirror control with build in OSD**
- **Advanced Back Light Compensation (BLC)**
- **Automatic Gain Control (AGC)**
- **Automatic White Balance (AWB)**
- **Digital Zoom (1.0x / 1.5x / 2.0x / 2.5x (WDR Off Mode))**
- **Fast Shutter Speed (1/60 ~ 1/100,000 sec)**
- **RS232 TTL remote setup control**
- **Option : DC 12V / AC 24V Power Supply**

Automatic Gain Control (AGC)

This camera is built with an advanced AGC function, which automatically boosts the camera gain to allow a user monitoring the subject more clearly in low light conditions.

Automatic Tracing White Balance (ATW)

The ATW function supports fast, active shooting by automatically adjusting the white balance in real time as the lighting conditions change.

* Specifications & Features are subject to change without prior notice.

DSS Low Light Technology

Digital Slow Shutter (DSS) is a technology that enhances the low light performance of a camera, producing outstanding images in low light conditions, DSS slow the picture frame rate and increase the cameras sensitivity
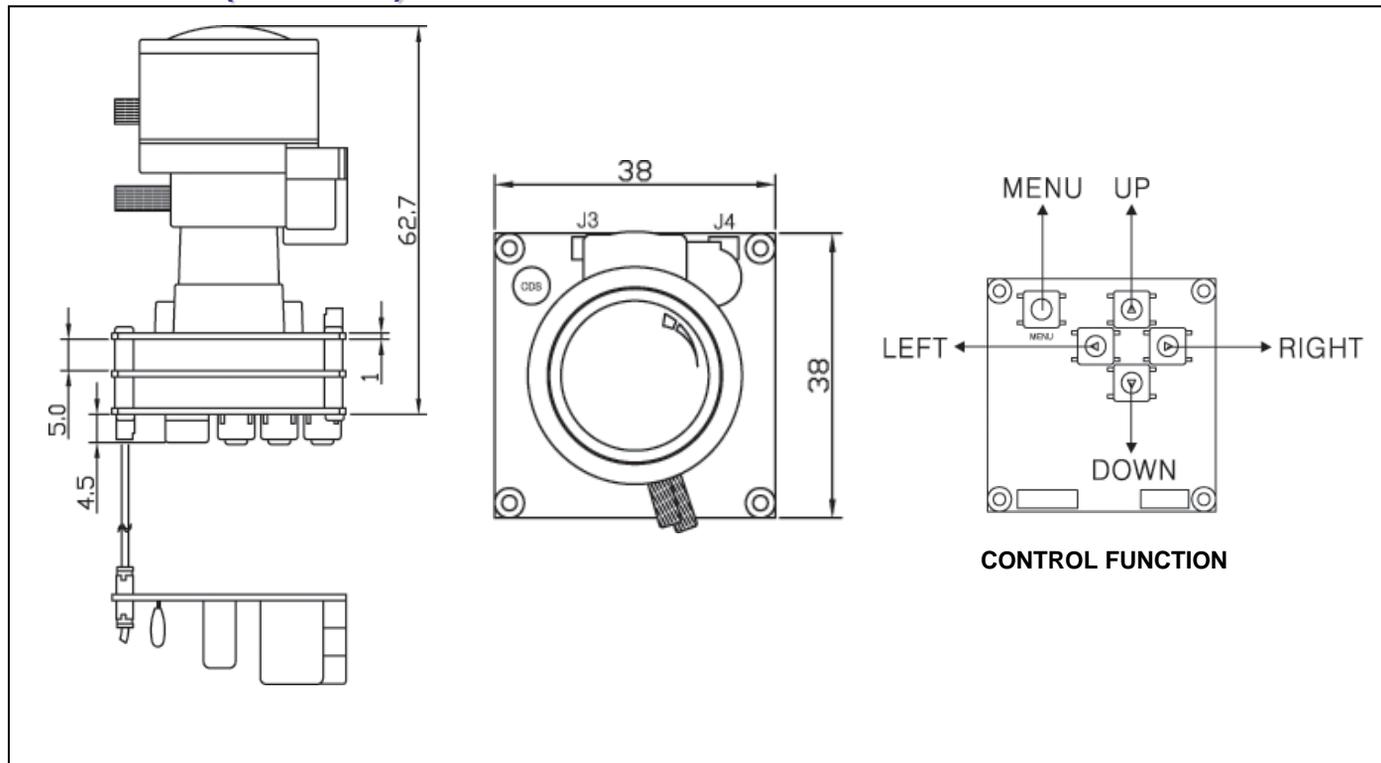
WDR (Wide Dynamic Range)

To get detail information from dark and bright combination image without any saturation, the WDR technology is required. It combines bright areas with high shutter speed exposure and dark areas with low shutter speed exposure into one composite image

Dimensions (Unit: mm)

MENU UP

LEFT ← → RIGHT

DOWN

CONTROL FUNCTION

Lens Types

Lens (mm)	Type	Board Lens (B)												Pinhole Lens		
														(P1)	(P3)	(P4)
	Focal Length	1.24	1.78	2.1	2.45	2.97	3.6	6	8	12	16	25	50	3.7	3.7	4.3
	Aperture	F2.8	F3.0	F2.0	F2.0	F2.0	F2.0	F2.0	F2.0	F2.2	F2.5	F2.5	F2.5	F2.0	F2.0	F2.0
	Angle of View	190°	170°	160°	150°	130°	92°	53°	40°	28°	19°	13.8°	9.2°	90°	90°	78°

Lens (mm)	Type	VariFocal Lens			C/CS Mount
	Focal Length	2.8~11.0	9.0~22.0	2.6~11.0	Lens Mount Only
	Aperture	F1.4~360	F1.6~360	F1.2~360	
	Angle of View	124.3°~30.2°	40.6°~16.2°	133.1°~34.6°	

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Part No.: ACE-WDR380NH

Technical Specification

Model	ACE-WDR380NH	ACE-WDR380PH
Signal System	NTSC	PAL
Image Sensor	1/3" Sony Vertical Double –Density Interline CCD	
Scanning System	2:1 Interlace	
Scanning Frequency (H)	15.734 KHz	15.625 KHZ
Scanning Frequency (V)	59.94 Hz	50 Hz
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Shutter Speed	1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Horizontal Resolution	More than 550 TV Lines	
Day & Night	Digital Day & Night (ICR)	
Digital Slow Shutter	On / Off (1X ~ 500X)	
WDR	On / Off / Auto (Level Adjustment)	
Synchronization	Internal / Line Lock (AC24V Only)	
S/N	More than 45dB (AGC Off)	
Min. Illumination	1.0 Lux / F2.0 , 0.001 Lux (DSS on)	
Video Output Level	1Vp-p Composite (75Ω), Unbalanced	
Function	OSD	· Built-in
	Back Light Compensation (BLC)	· On / Off
	Digital Zoom Ratio	1.0x/ 1.5x / 2.0x / 2.5x (WDR off Mode)
	Auto Gain Control (AGC)	Low / Mid / High
	White Balance	ATW / PUSH / PUSH LOCK / USER → R / B Gain
	Privacy Masking	Zone 8 each (Mask Off / On)
	Mirror	On / Off
	Motion Detection	On / Off (Level Adjustment)
	Language Option	English / Chinese / Russian / Spanish / German
External Control	A/D Key, RS-232 TTL	
Gamma	$\gamma = 0.45$	
Operating Temperature	-10 °C ~ 50 °C (14 °F ~ 122 °F)	
Storage Temperature	-20 °C ~ 60 °C (-4 °F ~ 140 °F)	
Humidity	Less than 80%RH	
Power Supply	DC 12V ±10% (Max 190mA)	
Dimensions	38(W) mm x 38 (H) mm x 3 Board 1.50"(W) x 1.50"(H) x 3 Board	

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