

## SPECIFICATIONS

JHD-HU2812IR	
Signal Format	NTSC/PAL
Image Sensor	1/2.7" INCH CMOS SENSOR
Effective Pixels	1930(H) x 1088(V) = 2.09M (Pixel)
Scanning System	Progressive Scan
Video Output	HD-SDI : 1920 x1080p(1080p/25,30fps)
Min. Illumination	Color : 1.0 lux, BW : 0.5lux
FRAME RATE	1080P - 25FPS / 30FPS
S/N Ratio	More than 48dB (AGC off)
Backlight Compensation	ON / OFF
White Balance	AUTO / INDOOR / OUTDOOR / USER
2D	OFF / LOW / MIDDLE / HIGH
Day & Night	AUTO_Cds / COLOR / B&W (ICR)
Motion Detection	ON / OFF
Privacy Masking	ON(2 Point) / OFF
Lens	Manual Varifocal Lens 2.8~12.0mm
Resolution	HD-SDI : 1920 x1080p(1080p/25,30fps)
SHUTTER	AUTO / MANUAL (1/30(25)~1/6000)
AGC	ON / OFF (1 ~ 5)
MIRROR	OFF / H / V / HV
Video Output (HD-SDI)	Connector
Power Supply	DC 12V ± 10%
Operating Temperature	-45°C ~ +50°C
Dimension	144.1(W) x 100.1(H) x 378.1(D)mm
Weight	Approx. 1.3Kg

\* In accordance with customers' request and OSD controller's option, the specifications can be fixed or changed without notice.

## OSD MENU

FUNCTION		OPTION		DESCRIPTION	
1	VIDEO OUT	FRAME RATE	30fps (NTSC) / 25fps (PAL)	Frame Setting	
		RETURN		Go back to previous menu	
2	DAY / NIGHT	MODE	AUTO / EXT / COLOR / BW	Day/Night Mode Setting	
		D TO N	1 ~ 63	Sets the threshold for identifying the Night status from the Day status.	
		N TO D	1 ~ 63	Sets the threshold for identifying the Day status from the Night status.	
		DELAY TIME	1 ~ 60	Sets the Night/Day identification transfer time.	
		RETURN		Go back to previous menu	
3	AWB	MODE	AUTO / USER / PUSH / 8000K~3200K / HOLD	AWB Mode Setting	
		R - G GAIN	1 ~ 255	R-G Gain Setting	
		B - G GAIN	1 ~ 255	B-G Gain Setting	
		RETURN		Go back to previous menu	
4	AE	MODE	ESC / HOLD	Mode Setting	
		BRIGHT	0 ~ 255	Brightness Setting	
		SHUTTER	AUTO/25/30/50/60/100/120 /250/500/1000/3000/10000	Shutter Speed Setting	
		FLICKER	OFF/50Hz/60Hz	Flicker Mode Setting	
		BLC	0~16	BLC Mode Setting	
		AGC	1~5	AGC Value Setting	
		LSC	OFF/ON	LSC Mode Setting	
RETURN		Go back to previous menu			
5	SPECIAL	PRIVACY ZONE	AREA SEL.	AREA1/AREA2	Area No. Setting
			MASK PAT.	OFF/BLACK/GRAY/WHITE	Color Mask Frames Setting
			SX		Left X-coordinate
			EX		Right X-coordinate
			SY		Top Y-coordinate
	MOTION	EY		Bottom Y-coordinate	
		MOTION	OFF/ON	Motion Setting	
		SENSITI	0~255	Setting motion sensitivity	
		ALARM	OFF/TRACE/ICON	Setting Alarm Mode	
	HLC	HOLD TIME	1SEC~10SEC	Setting Alarm Hold Time	
		HLC	ON/OFF	High Light Compensation	
		MASK VALUE		Mask Value Setting	
		HRESHOLD		High Light Value Setting	
RETURN		Go back to previous menu			
6	EFFECT	COLOR GAIN		Color Gain Setting	
		COLOR HUE		Color Hue Setting	
		SHARPNESS		Sharpness Setting	
		CONTRAST		Contrast Setting	
		BRIGHT OFF		Brightness Setting	
		MIRROR	OFF/ON	Mirror Function Setting	
		FLIP	OFF/ON	Flip Function Setting	
		RETURN		Go back to previous menu	
		7	SYSTEM	CAMERA ID	
ID DISP.	OFF/ON			ID Display Setting	
NAME DISP.	OFF/ON			Camera Name Setting	
LANGUAGE	ENG / CHN			OSD Language Setting	
FACTORY INIT	OFF / ON			Factory Initial Setting	
RETURN				Go back to previous menu	
8	EXIT	SAVE/EXIT		Save and Exit	
		EXIT		No Save and Exit	
		RETURN		Go back to previous menu	

## HD-SDI IR HOUSING CAMERA

### USER'S MANUAL



JHD-HU2812IR

### FEATURES

- 1/2.7" 2.1Megapixel Progressive CMOS
- 1080p(1920x1080)@30/25fps
- Min. Illumination Color : 1Lux / BW : 0.5Lux
- True Day & Night
- NTSC/PAL selectable
- 2D Digital Noise Reduction
- Motion Detection, Privacy Masking (2 Zone)
- 84pcs IR LED
- Manual Varifocal Lens 2.8~12.0mm
- Option : OSD Controller

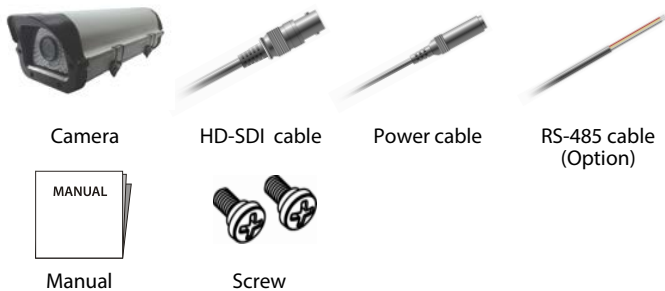
## PRECAUTIONS

- **Do not install the camera in extreme temperature conditions.**
  - Only use the camera under conditions where temperatures are between -10°C and +50°C. Be especially careful to provide ventilation when operating under high temperatures.
- **Do not install or use the camera in an environment where the humidity is high.**
  - It can cause the image quality to be poor.
- **Do not install the camera under unstable lighting conditions.**
  - Severe lighting change or flicker can cause the camera to work improperly.
- **Never use the camera close to a gas or oil leak.**
  - It can cause malfunctions to occur.
- **Do not disassemble the camera.**
  - There are no user-serviceable parts inside it.
- **Do not touch the front lens of the camera.**
  - It is one of the most important parts of the camera. Be careful not to be stained by fingerprint.
- **Never keep the camera face to strong light directly.**
  - It can damage the image sensor.
- **Do not drop the camera or subject them to physical shocks.**
  - It can cause malfunctions to occur.
- **Do not expose the camera to rain or spill beverage on it.**
  - If it gets wet, wipe it dry immediately. Liquids can contain minerals that corrode the electronic components.
- **Do not expose the camera to radioactivity.**
  - If exposed to radioactivity the image sensor will fail.

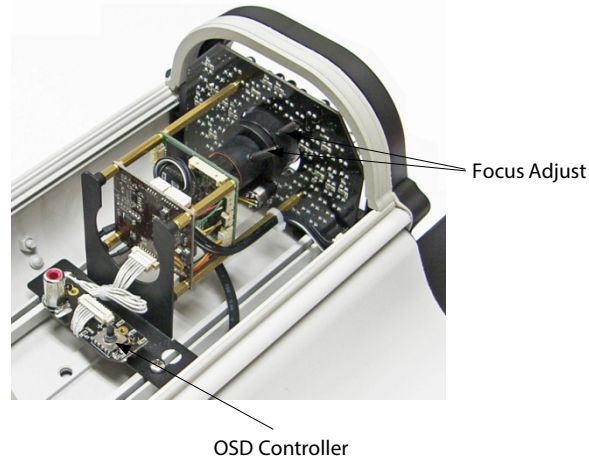
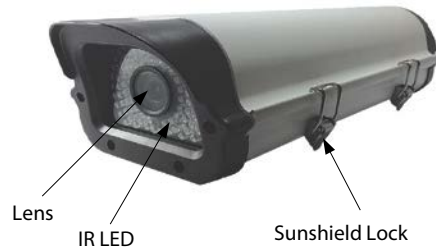
### \* NOTE \*

- If the camera is exposed to spotlight or object reflecting strong light, smear or blooming may occur.
- Please check that the power satisfies the normal specification before connecting the camera.

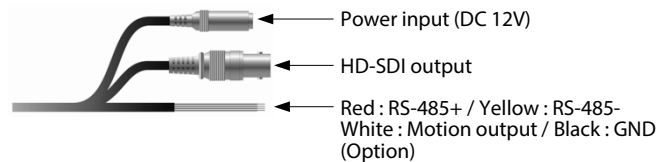
## COMPOSITION



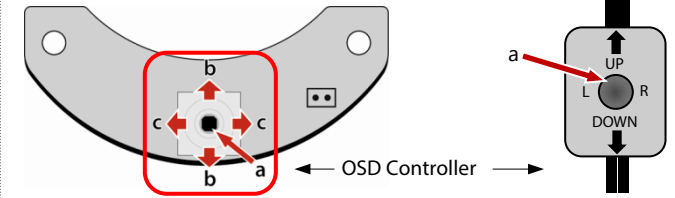
## NAME OF EACH PART



## CABLE CONNECTION



## OSD CONTROL (Option- BOARD)



### a. SET :

Displays the menu on the screen. Press this switch to confirm status or after changing a selected item.

### b.UP / DOWN :

Used to move the cursor up or down in the menu screen to select a desired menu item.

### c. LEFT / RIGHT :

Used to move the cursor left or right in the menu screen or to change the value of the selected item.

## DIMENSION

