

MADE IN KOREA



Powered by  
**Hero**

**650** COLOR TVL  
**0.002** COLOR LUX

**NEW**  
**3-AXIS**  
**DOME DESIGN**

- High Quality Dome Camera for Special Installation
- Single Scan Wide Dynamic Range (WDR)
- 650 TV Line High Resolution
- Intensified Low Light : Sens-up
- 3DDNR - 3D Digital Noise Reduction
- Easy Flip Open Cover
- High Light Masking
- Service Video-out
- Dual Power (DO 614V)

DOME CASE AVAILABLE IN WHITE



**EASY INSTALL**  
**STYLISH**  
**DOME MOUNT**

Sold separately

- DO 614V** Dual Power DC 12V or AC 24V
- DO 612V** 650TVL / Single Scan WDR / 3D DNR / HLM / SENS-UP / DC 12V 2.8~12mm Auto-Iris Vari-focal Lens / Superdome® Large Case
- DO 612-M** 650TVL / Single Scan WDR / 3D DNR / HLM / SENS-UP / DC 12V 3.6mm Fixed Lens / Superdome® Medium Case

Product image on this page is based on Vari-focal Lens model

## Have a Better Eye for your Security



### 650 TV LINE

The camera is powered by HERO chip-set that is embodied the top grade of the world at 650 TVL resolution be own image signal technology which is to change the frequency of luminance signal adaptively by a monitoring sector.



### WIDE DYNAMIC RANGE (WDR)

Realize the improved backlight compensation function more than existed WDR with fusion ratio of the optimum by pixel, when they composite both a shutter of high speed at the light area and the shutter of low speed at the dark area.



### 0.002 LUX SENS-UP INTENSIFIED LOW LIGHT AND 3DDNR (3D DIGITAL NOISE REDUCTION)

SENS-UP feature allows for impressive 0.002 low light lux rating which leads to superb night time performance ability. In addition, Improved S/N ratio 50dB and more sharp and noiseless low light image quality provided by built-in noise reduction (3DDNR: 3D Digital Noise Reduction) function.



### HLM : HIGH LIGHT MASKING

HLM (High Light Masking) Function is being prevented against headlights of vehicle effectively. It is the most suitable function to see license plates at night.

	DO 614V DO 612V	DO 612-M
Lens	2.8~12mm Auto-Iris Vari-focal	3.6mm Fixed
Auto IR-Cut Filter Removal (ICR)	No	
Resolution	650 TV Line (COLOR)	
Sensor	Sony 1/3 inch Super HAD II CCD	
Total Pixels	811(H) x 508(V) 410K Pixel	
Effective Pixels	768(H) x 494(V) 380K Pixel	
Scanning System	2:1 Interlace	
Synchronization	Internal	
Frequency	Horizontal : 15.734KHz / Vertical : 59.94Hz	
S/N (Y signal)	More than 50 dB (AGC off)	
Video Output	CVBS : 1.0Vp-p / 75 ohm	
Min. Illumination	0.3 Lux at F1.2 (color) / 0.002 Lux (Sens-up)	
White Balance	ATW / AWC / Push / Manual	
Electronic Shutter Speed	Auto / Manual 1/60 sec ~ 1/120,000 sec (NTSC)	
O.S.D	Built-in	
Backlight Compensation (BLC)	Low / Middle / High / HLM / Off Selectable	
Gain Control	Low / Middle / High / Off Selectable	
3D DNR (3D Digital Noise Reduction)	Low / Middle / High / Off Selectable	
WDR (Long and short exposure)	On / Off	
Sens-up	x2 ~ x256 / Off	
Day & Night	Auto / COLOR / BW / CDS	
Privacy Mask	On / Off (6 Zone)	
Motion detection	On / Off	
Mirror	Mirror / V-Flip / Rotate / Off	
Sync	Internal / Auto	
Operating Temperature / Humidity	-10°C~+40°C(14°F ~ 104°F) / 30% ~ 80% RH	
Storage Temperature / Humidity	-20°C~+60°C(-4°F ~ 140°F) / 20% ~ 90% RH	
Power	DC 12V (DO 612V / DO 612-M) DC 12V / AC 24V (DO 614V)	
Casing / Dimensions	Large : 5.5"(D) x 4.0"(H)	Medium : 5.0"(D) x 3.5"(H)

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