IRZ-712P-4

X12 Auto Focus Zoom IR Bullet Camera

FEATURES

- 1/4" Sony SuperHAD II (Double Scan) CCD
- x12 Optical Zoom, Digital x32 Zoom
- Super High Resolution 650 TV Lines
- Day & Night (ICR)
- Wide Dynamic Range
- Digital Slow Shutter (x512)
- Digital Noise Reduction
- Privacy mask Function
- High Light Compensation Function(HLC)
- On Screen Display
- Intelligent motion detection
- Intelligent Object detectio
- Protocol(VISCA/Pelco-D/Pelco-P)

OSD Control

Weatherproof(IP66)

SPECIFICATIONS

MODEL	IRZ-712P-4	
Image Sensor	1/4" Sony Super HAD II (Double Scan) CCD	
Total Pixels	1028(H) x 508(V)	1028(H) x 596(V)
Scanning system	2:1 Interlace	
Scanning Frequency	15.734KHz(H), 59.94Hz(V)	15.734KHz(H), 59.94Hz(V)
Sync. System	Internal / External (V-Lock)	
Resolution	Max 650 TV Lines (B/W : 700 TV Lines)	
Min. illumination	Color : 0.5 lux , BW : 0.2lux	
	Color DSS : 0.001 lux , BW DSS : 0.0004 lux	
Video Output	1.0 Vp-p (75 ohm, composite)	
S/N Ratio	more than 50dB (AGC off)	
Lens	x12 Day & Night Zoom Lens	
Lens type	Optical x12, Digital x32 Zoom	
Focal Length	f = 3.8 mm ～ 45.6 mm	
Aperture Ratio	F1.6 (wide) ～ F2.7 (tele)	
Function	Auto / One Push / Manual	
Focus	0.1 / 1.0 / 1.3 / 2.0 / 6.0 m	
E.Zoom	Off / MAX x2 ～ x32	
Home Position	Off / On	
Exposure	Auto / Shutter PRI / Iris PRI / Manual	
Gain Control (AGC)	Off / On (Max. 30dB)	
Shutter Speed	1/60 ～ 1/100,000 sec	1/50 ～ 1/100,000 sec
Iris	0 ～ 18	
Digital Slow Shutter (DSS)	Off / Max x2 ～ x512	
Flickerless	Off / On	
Brightness	0 ～ 15 steps	
WDR	Off / On	
BLC	Off / On	
Day&Night	Auto / Day / Night / Ext	
White Balance	ATW / One Push / Indoor / Outdoor / Manual / Auto	
Chroma	Low / Mid / High	
Image	HDNR / HR / Mirror / Sharpness / Effect / Freeze	
HLC	Off / On	
DNR	Off / Manual / Auto	
HR	Off / 1～7 steps	
Mirror	Off /Negative / B/W	
Sharpness	Pff / On	
Freeze	Privacy / MD / OD	
Intelligent	Off / 16 positions	
Privacy Mask	Off / 3 positions	
Motion Detection	Off / On	
Special	Sync / Phase / Scene Mode / Comm	
Sync. Mode	INT / LL	
Phase	0 ～ 131 steps	0 ～ 156 steps
DIS	Off / On	
Scene Mode	User / Normal / Traffic / Back Light / Day / Night / Casino	
Comm	Baud Rate : 2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200	
	Protocol : VISCA / Pelco-D / Pelco- P	
Init Set	ID / Baud Rate / Protocol / Version / Init Msg	
Language	English / Chinese / Korean	
SRLED	4 units 850nm Infrared LED, 20,000hrs	
Night View Distance	Outdoor 40m	
Power Source	DC 12V	
Power Consumption	9.6 VA (800 mA - max)	
Power Input	Connector	
Video Output	Connector	
Operating Temperature	-40℃ ～ +50℃	
Operating Humodity	0 % ～ 96% (non-condencing)	
Storage Temperature	-20℃ ～ +60℃	
Dimension	74.5(Ø) x 171(L) mm	
Weight	1,260g	

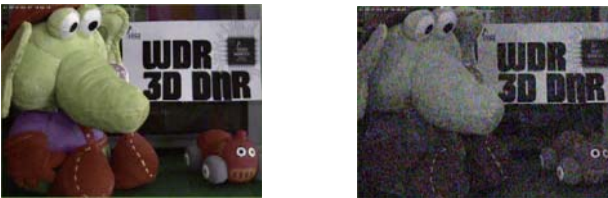Design and specifications are subject to change with notice.

IRZ-712P-4

WDR

These cameras incorporate an advanced backlight compensation technology that dramatically improves each camera's dynamic range by 512 times when compared to conventional cameras. Thanks to this new technology, users can capture clear images even in extreme high-contrast lighting environments. The cameras capture the same image twice: first with a normal shutter speed, and then with a high shutter speed. The dark areas captured at normal shutter speed and the bright areas captured at high shutter speed are then combined into one image using an advanced DSP LSI, this clearly reproducing the original scene.

DNR(2D + 3D)

The DNR technology eliminates noise thus generating a distinct and clear image.
This camera DNR function utilizes both an adaptive 2D filter reducing noise in the brightness of the image and an adaptive 3D filter reducing noise caused by movement.

DSS(x512)

The IRZ-712P-4 DSP permits high quality pictures by supporting a long time of the exposure More than 1/60sec.[NTSC] and enables to recognize the shape and color of suspended Object under the no light condition in case of the exposure of more than 8sec.(x512).
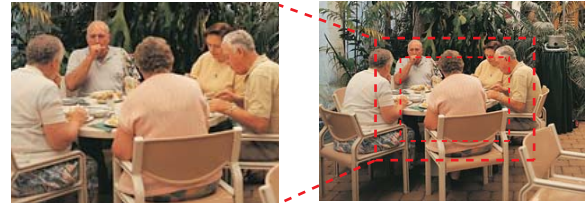

DIS(Digital Image Stabilizer)

As zoom ranges are extended, image stabilization becomes increasingly important. The image stabilization algorithms of these cameras eliminate camera shake for exceptional image clarity. This will achieve clarity without reducing camera sensitivity or picture quality

x12 Optical Zoom

Built-in x12optical zoom lens is highly reliable.
It features auto focus, auto iris, auto D&N, zoom function.

650 TV Lines High Resolution Image

The horizontal resolution is 650 TV Lines in Color mode and 700 TV Lines in Black/White mode using a high density CCD. It gives a vivid image output with super high horizontal resolution using our own De-Mosaic Interpolation algorithm and a specialised built-in sharpness filter.

Intelligent Motion Detection

You can transmits an alert signal when it detects motion of an object on the screen. This feature is useful when you have to monitor several screens simultaneously.

Day & Night(Auto ICR)

These cameras offers optimal sensitivity in both day and night shooting applications. At a set level of darkness, the IR-cut filter is automatically disabled(ICR ON) and the near-infrared sensitivity is increased. At a set level of brightness, the filter is automatically enabled (ICR OFF). The IR-cut filter automatically engages depending on the ambient light, allowing the camera 24/7 operation in a variety of lighting conditions.