

Specification

Model	SPY-DOMEGAHD24 · SPY-DOMEWAHD24
Pick up Element	1/2.9" SONY 2.4MP CMOS Sensor
Effective Picture Elements (HxV)	1920 X1080
Resolution	1080P
Minimum Illumination	0.001 Lux/F1.2
S/N Ratio	More than 50dB
Synchronous System	Internal, Negative sync.
IR Distance	30 Meters (with $\Phi 5 (12\mu) \times 36$ PCS Infrared LED)
IR Power On	Photodiode AUTO Control
Video Output	AHD / CVBS
Functions	DWDR, 3DNR, Sense-up, OSD
Power/Current	DC12V(+/-10%)/700mA
Lens	2.8-12mm Manual Zoom Lens
IP Rating	/
Dimension (mm)	$\Phi 131 \times 93(H)$
Weight (g)	800
Operating Temperature	-10~+50°C RH95% MAX

Accessories list

Name	Number
Camera	1
User Guide	1

SPYCLOPSTM
SURVEILLANCE SYSTEMS

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Notes:

Do not attempt to disassemble the camera. If the camera doesn't work, please contact Metra Home Theater Group.

**SPY-DOMEGAHD24
SPY-DOMEWAHD24
CCTV Camera**

Vandalproof IR Dome Camera



Thank you for using our product.
Before providing power for the camera, please read this manual carefully before use.

We adopt the latest technical of sensor and driver. It owns the characters of high definition and stability, strong anti-jamming, rich and real color. Fixing and using this model are convenient too. It is very good for you to apply to your CCTV system.

Main Features

> Auto Gain Control (AGC)

Built-in auto gain control (AGC) circuit. The color camera can get high definition picture in low Lux condition.

> Auto Electronic Shutter (AES)

Built-in auto electronic shutter function. The color camera's AES speed can reach 1/100,000s.

> OSD button shortcut functions

CVBS MODE: hold left key 5s.

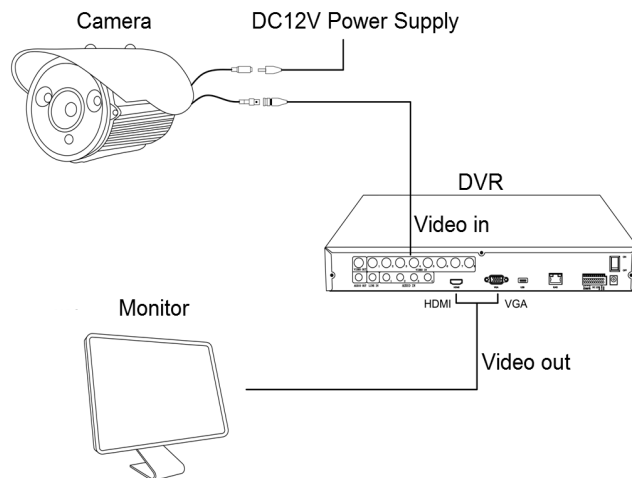
AHD MODE : hold right key 5s.

System switching : hold down key 5s.

> OSD MENU

MAIN MENU	LENS	MANUAL/DC		
	EXPOSURE	SHUTTER	AUTO,1/30,1/60,FLK,1/240,1/480,1/1000,1/2000,1/5000,1/10000,1/50000,X2,X4,X6,X8,X10,X15,X20,X25,X30	
AGC		0-15		
SENS-UP		AUTO(X2-X30)/OFF		
BRIGHTNESS		0-100		
D-WDR		OFF/ON		
DEFOG		OFF/AUTO		
BACK LIGHT	OFF			
	BLC:LEVEL/AREA /DEFAULT HSBLC:SELECT AREA/DISPLAY/BLACK MASK/LEVEL/MODE/DEFAULT			
WHITE BAL.	ATW/AWC→SET/INDOOR/OUTDOOR/MANUAL/AWB			
DAY & NIGHT	EXT	D→N(DELAY)/N→D(DELAY)		
	AUTO	D→N(AGC)/D→N(DELAY) /N→D(AGC)/N→D(DELAY)		
	COLOR			
	B/W	BURST/IR SMART/IR PWM		
NR	2DNR	OFF/LOW/MIDDLE/HIGH		
	3DNR	OFF/LOW/MIDDLE/HIGH		
SPECIAL	CAM TITLE	OFF/ON		
	D-EFFECT	FREEZE/MIRROR/NEG.IMAGE		
	MOTION	SELECT AREA1-4/DISPALY/SENSITIVITY/COLOR/TRANS/ALARM/DEFAULT		
	PRIVACY	OFF/ON		
	LANGUAGE	ENG/CHN1/CHN2/GER/FRA/ITA/SPA/POL/RUS/POR/NED/TUR		
	DEFECT	LIVE DPC		
		WHITE DPC		
		BLACK DPC		
		CAM ID:0-255		
	RS485	ID DISPLAY		
BAUDRATE:2400/4800/9600/19200/38400				
ADJUST	SHARPNESS	AUTO/OFF		
	MONITOR	LCD/CRT		
	LSC	OFF/ON		
	VIDEO.OUT	PAL/NTSC		

Device connection



Safety instruction

1. Before using the camera, please read this manual carefully and keep it safely for later use.
2. Installation should be proceed by professional service and follow manufacturer's instructions, do not dismantle without authorization.
3. In order to prevent sensor, do not expose lens to intense light source in long time.
4. Do not touch sensor directly. Please covers the dustproof cover when the camera is not being used.
5. Please use a dry soft cloth to clean the camera. If dirt difficult to clean, use detergent with water and wipe dry the camera.
6. Do not install camera under air conditioning's air gate, or else lens blur with condensation of moisture.
7. Please ensure that all electric power sources are turned off when not open, installation, clean, etc operation.
8. Please transporting, using and storing the camera in allowable temperature and humidity.
9. If the camera was broken, for example power cord or plug damaged, splash liquid or foreign matter fall into camera, raining, wetting, etc can't work situation, please contact manufacturer or maintenance center (modify and maintenance without permission, you must be responsible for the problems).

Common Problems and Troubleshooting

> No Picture after providing power

May be the power supply voltage abnormality, please check the power supply voltage and pole whether exactitude. Please check all the connecting cable and monitors whether be connected correctly or not.

> The picture level direction have flowing interference ripples

May be caused by the power supply AC ripples, it need filter the wave of the power supply. Check the monitor and peripheral equipments used.

> The picture background color changes continuously

The fluorescent lamp's electromagnetic field cause color roll. This is proper phenomenon of the cameras. Reduce the fluorescent lamp numbers or increase the distance between the camera and the fluorescent lamps can improve it. Use power supply external sync. camera can solve it.

> The picture smear too mass

The power supply's voltage unstable. Connecting cables not connect correctly or have high impedance.



Note:

- Power supply must pass safety certification, its output voltage, current, voltage polarity and operating temperature must match requirement of this equipment.
- Please install lightning protection devices or cut off the power in thunder and lightning conditions.
- To capture high-quality video and pictures, please make sure the network connection is stable and smooth.
- Please note the camera's operating temperature and its using environment requirement. Avoid using the camera at too high or too low temperatures. The operating temperature is -30~+60°C. (Recommendatory operating temperature is -10~+50°C.)
- Do not mount the camera near by the radiator or heater.