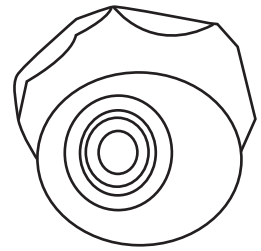


Now you can see!

MANUAL



Digital CCTV Camera
DOME CAMERA



■ General

Thank you for using our products. Before use, please read this manual carefully to ensure correct use of this series of products. Please keep the manual properly for future use. This series of cameras take high-sensitivity CCD as the image sensor, all circuits have long work life and high reliability. Excellent image will be top choice for your camera.

■ Main Features

1. Easy to install and assemble.
2. High resolution, high sensitivity and high s/n ratio.
3. Low illumination, high quality image.
4. CCD sensor can prolong the work life of camera.
5. With SONY DSP and CCD chip, image is clear and stable.

■ Notices

1. Do not operate the camera under improper sun or strong light.
2. Do not expose the camera in rain or dusty surroundings.
3. Please use correct power
4. Do not touch the CCD surface with finger. If cleaning is in need, please wipe it using soft cloth with a little of alcohol.
5. In order to prevent the camera from damaging, be careful shock use to avoid strong shock.
6. Only professional and qualified technician can install and test this camera.
7. During use, if any errors occur, cut off the power immediately and contact your local distributor.



Note:

In order to avoid electrical shock or fire, please use proper power according to the manual.

■ Structure and Components

Video Cable



Color Camera

- AES Auto Electronic Shutter Switch (Auto)
- BLC Backlight Compensation Switch (Auto)
- AGC Auto Gain Control Switch (Auto)
- AWB Auto White Balance Switch (Auto)

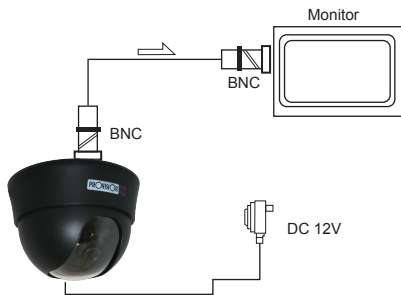
Video Cable:

- ① Power Supply Socket
- ② Video out

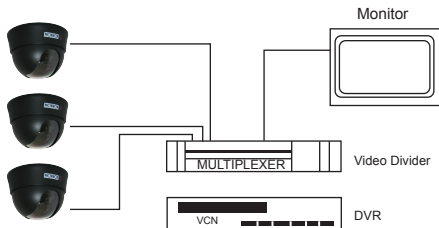
■ Operation Steps

- (1) Confirm that the power supply for the camera is correct; Connect ① Power Supply Socket to the power supplier.
- (2) Connect "Video Out" ② of the camera to the monitor or other video equipment (DVR) with a 75 ohm cable (RG59).

■ System connection



- ① Use one camera and one monitor



- ② Use Several Cameras and one Monitor

■ Camera Specification

MODEL	DA-352CS	DA-322CS
Image Sensor	1/3" SONY Super HAD CCD	
DSP System	SONY HQ1	SONY DSP Chipset
TV System	PAL/NTSC	
Effective Pixels	PAL:795(H)x596(V) NTSC:811(H)x508(V)	PAL:537(H)x597(V) NTSC:537(H)x505(V)
Horizontal Resolution	540TVL	420TVL
Minimum Illumination	0.02 LUX/F2.0	0.05 LUX/F2.0
S/N Ratio	48db(AGC OFF)	
Video Output	Composite 1.0Vp-p at 75ohm	
White Balance	AWB / ATW	
Electronic Shutter	1/50 ~ 1/1000000sec	
Gamma correction	0.45	
Sync.System	Internal	
Auto Iris Control	Video/DC Switchable	
Lens	C/CS	
Power Supply	DC12V ± 1V/150mA	
Operation Temperature	- 10°C ~ + 50°C	
Dimensions	150W x 110H mm	
Net Weight	1250g	

■ Camera Specification

MODEL	DX-322CS		DX-425CS	
Image Sensor	1/3" SONY Super HAD CCD		1/4" SONY CCD	
DSP System	SONY DSP Chipset			
TV System	PAL/NTSC			
Effective Pixels	PAL:537(H)×597(V) / NTSC:537(H)×505(V)			
Horizontal Resolution	420TVL			
Minimum Illumination	0.05 LUX/F1.2		0.5 LUX/F1.2	
S/N Ratio	48db(AGC OFF)			
Video Output	Composite 1.0Vp-p at 75ohm			
White Balance	AWB ON (ATW OFF PUSH) Switchable			
Electronic Shutter	1/50 ~ 1/100000sec			
Gamma correction	0.45			
Sync.System	Internal			
Auto Iris Control	Video/DC Switchable			
Lens	3.6/4/6/8mm Board Lens			
Power Supply	DC12V ± 1V/180mA			
Operation Temperature	- 10°C → - 50°C			
Dimension	84W x 53H mm			
Net Weight	280g			

■ Camera Specification

MODEL	DX-352CS	
Image Sensor	1/3" SONY Super HAD CCD	
DSP System	SONY HQ1 DSP Chipset	
TV System	PAL/NTSC	
Effective Pixels	PAL:795(H)×596(V) / NTSC:811(H)×508(V)	
Horizontal Resolution	540TVL	
Minimum Illumination	0.02 LUX/F1.2	
S/N Ratio	48db(AGC OFF)	
Video Output	Composite 1.0Vp-p at 75ohm	
White Balance	AWB ON (ATW OFF PUSH) Switchable	
Electronic Shutter	1/50 ~ 1/100000sec	
Gamma correction	0.45	
Sync.System	Internal	
Auto Iris Control	Video/DC Switchable	
Lens	3.6/4/6/8mm Board Lens	
Power Supply	DC12V ± 1V/180mA	
Operation Temperature	- 10°C → - 50°C	
Dimension	100W x 80H mm	
Net Weight	280g	

■ Camera Specification

MODEL	DI-355CSVF	DI-325CSVF
Image Sensor	1/3" SONY Super HAD	
DSP System	SONY HQ1	SONY DSP Chipset
TV System	PAL/NTSC	
Effective Pixels	PAL:795(H)×596(V) NTSC:811(H)×508(V)	PAL:537(H)×597(V) NTSC:537(H)×505(V)
Horizontal Resolution	540TVL	420TVL
Minimum Illumination	0.5 LUX/F2.0 (0 Lux IR On)	
S/N Ratio	48db(AGC OFF)	
Video Output	Composite 1.0Vp-p at 75ohm	
White Balance	Auto Tracking White Balance	
AGC	Adjustable	
Backlight Compensation	Adjustable	
Electronic Shutter	1/50 ~ 1/120000sec	
Gamma correction	0.45	
Sync.System	Internal	
IR LED	36PSC	
Lens	4-9mm Vari-focal Lens	
IR View Distance	30m	
Power Supply	DC12V / 110mA	
Operation Temperature	- 10°C -- - 50°C	
Dimension	94W x 69H mm	
Net Weight	300g	

■ Camera Specification

MODEL	DI-355CS(FL)	DI-325CS(FL)
Image Sensor	1/3" SONY Super HAD	
DSP System	SONY HQ1	SONY DSP Chipset
TV System	PAL/NTSC	
Effective Pixels	PAL:795(H)×596(V) NTSC:811(H)×508(V)	PAL:537(H)×597(V) NTSC:537(H)×505(V)
Horizontal Resolution	540TVL	420TVL
Minimum Illumination	0.5 LUX/F2.0 (0 Lux IR On)	
S/N Ratio	48db(AGC OFF)	
Video Output	Composite 1.0Vp-p at 75ohm	
White Balance	AWB	
AGC	Adjustable	
Backlight Compensation	Adjustable	
Electronic Shutter	1/50 ~ 1/120000sec	
Gamma correction	0.45	
Sync.System	Internal	
IR LED	24PSC	
Lens	3.6/4/6/8mm Board Lens	
IR View Distance	20m	
Power Supply	DC12V / 110mA	
Operation Temperature	10 C -- - 50 C	
Dimension	94W x 69H mm	
Net Weight	300g	

■ Camera Specification

MODEL	DI-355CS(P)	DI-325CS(P)
Image Sensor	1/3" SONY Super HAD	
DSP System	SONY HQ1	SONY DSP Chipset
TV System	PAL/NTSC	
Effective Pixels	PAL:795(H)×596(V) NTSC:811(H)×508(V)	PAL:537(H)×597(V) NTSC:537(H)×505(V)
Horizontal Resolution	540TVL	420TVL
Minimum Illumination	0.5 LUX/F2.0 (0 Lux IR On)	
S/N Ratio	48db(AGC OFF)	
Video Output	Composite 1.0Vp-p at 75ohm	
White Balance	AWB	
AGC	Adjustable	
Backlight Compensation	Adjustable	
Electronic Shutter	1/50 ~ 1/120000sec	
Gamma correction	0.45	
Sync System	Internal	
IR LED	10 Big Leds	
Lens	3.6/4/6/8mm Board Lens	
IR View Distance	15m	
Power Supply	DC12V / 110mA	
Operation Temperature	-10°C - +50°C	
Dimension	100W x 65H mm	
Net Weight	150g	

■ Camera Specification

MODEL	CM-325CS
Image Sensor	1/3" SONY Super HAD CCD
DSP System	SONY DSP chipset
TV System	PAL/NTSC
Effective Pixels	PAL:537(H)×597(V) / NTSC:537(H)×505(V)
Horizontal Resolution	420TVL
Minimum Illumination	0Lux (IR ON)
S/N Ratio	48db(AGC OFF)
Video Output	Composite 1.0Vp-p at 75ohm
White Balance	AWB
AGC	Adjustable
Backlight Compensation	Adjustable
Electronic Shutter	1/50 ~ 1/120000sec
Gamma correction	0.45
Sync System	Internal
IR LED	12 PSC
Lens	3.6/4/6/8mm Board Lens
IR View Distance	15M
Power Supply	DC12V ± 1V/110mA
Operation Temperature	- 10°C - + 50°C
Dimension	55W x 85H x 85L
Net Weight	130g

■ Camera Specification

MODEL	DX-322CP36(BJ)
Image Sensor	1/3" CCD
DSP System	PROVISION DSP Chipset
TV System	PAL / NTSC
Effective Pixels	PAL:537H x 597V NTSC:537H x 505V
Horizontal Resolution	420TVL
Minimum Illumination	0.5 LUX/F1.2
S/N Ratio	More than 48dB
Video Output	1.0Vp p composite video signal 75 Ω
White Balance	AWB
Electronic Shutter	1/50 ~ 1/100,000
Gamma correction	0.45
Sync.System	Internal
Auto Iris Control	Video/DC Switchable
Lens	3.6mm Board Lens / 3 Axis system
Power Supply	DC 12V / 110mA
Operation Temperature	-10° to 50°
Dimension	90W x 60H mm
Net Weight	280g

■ Camera Specification

MODEL	DI-322CP36(P)
Image Sensor	1/3" CCD
DSP System	PROVISION DSP Chipset
TV System	420TVL
Effective Pixels	PAL:537H x 597V / NTSC:537H x 505V
Horizontal Resolution	420TVL
Minimum Illumination	0.5 Lux (0 Lux IR On)
Lens Mount	3.6mm
S/N Ratio	More than 48dB
Electronic Shutter	1/60(1/50)~1/100,000 sec
Gamma Modification	0.45
Gain Control	Auto
White Balance	Auto
Synchronous System	Internal
Video Output	1.0Vp p composite video signal 75 Ω
Leds Number	10 Big Leds / 15m
Infra Lamps Control	Day/night Turn off/on Automatic
Operating Temperature	-10° to 50°
Power Supply	DC12V / 110mA
Dimensions	100x65mm
Weight	150g