

150m Super Long Range IR Camera

**SPECTRUM
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Vandal Proof



Features

- SONY EXVIEW / SUPER HAD CCD
- 480 TVL
- 0.002 Lux Minimum Illumination
- 23x Optical Zoom, 10x Electronic Zoom
- Built in MOLPF Mechanism for increasing IR LED Sensitivity
- Lens No Focus Shift (Built in MOLPF)
- High Sensitivity · True Color reproduced in Day time
- Built in 14pcs Big10Φ/10° LEDs and 21pcs 5Φ/30° LEDs
- IR Range: Approx. 150 Meters
- No IR reflection from glass
- Aluminum body and high impact Poly Carbonate
- Cooling fan built in
- Outdoor Weather / Vandal Proof

Specifications

Model	NTSC	SIR-4231NE	SIR-4231NS
	PAL	SIR-4231PE	SIR-4231PS
Image device	1/4" COLOR CCD SONY EXVIEW HAD (Day & Night)		1/4" COLOR CCD SONY SUPER HAD (Day & Night)
Min. illumination	0.1 Lux (Color) / 0.02 Lux (B/W) 0.002 Lux (SU) / 0 Lux (IR ON)		0.5 Lux (Color) / 0.1 Lux (B/W) 0.01 Lux (SU) / 0 Lux (IR ON)
Synchronization	Internal synchronous		
Resolution	480 TVL		
Picture elements	NTSC	410K Pixel	
	PAL	470K Pixel	
Lens	23x zoom lens 3.6~82.8mm (10x Digital zoom) / OLPF Removable		
S/N Ratio	50dB (AGC OFF)		
IR-Cut Filter	Auto / Manual (OLPF Removable)		
Iris lens	Auto / Manual		
Focus	Auto / Manual		
Electronic shutter	NTSC:1/60 ~ 1/100,000 Sec. / PAL:1/50 ~ 1/100,000 Sec.		
Video output	1.0 Vp-p Composite, 75Ω		
Gamma correction	0.45 / 1		
Auto gain control	Super AGC 0 ~ 36dB		
White balance	ATW 2500r ~9500r K Preset / Manual		
BLC	Auto / On/Off / 48 zone BLC		
IR External control	* 1		
IR LED	14 LEDs (10Φ/10° Big LED) + 21 LEDs(5Φ/30°LED)		
Power supply	DC12V / 1.5A		
Ambient Operation	0°C ~ 50°C / 30% ~ 90% RH		
Installation location	Indoor / Outdoor		
Material / Color	Aluminum alloy + Cover Vandal Proof / Cream		
Dimensions / Weight	127mm(H) x156 mm(W)×195mm(L) / 2.2Kg		

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