



ULTRAHIGH SENS. IR CAMERA
PIH-012/014 Series



MERIT LILIN ENT. CO., LTD
<http://www.meritlilin.com>

66-012CSE

INSTRUCTION MANUAL

FEATURES :

1. Outdoor installation.
2. Adopts "special OLPF" no focus shift.
3. High efficiency infrared LED, radiant distance- 25 meters.
4. Sensor auto activate infrared LED under 10lux light level.

5. Monochrome image at night, no color noise.
6. Aluminum housing case with IP66 rating.
7. Ultrahigh sensitivity sensor, excellent picture quality.
8. Choices of 6.0mm or 8.0mm or 12.0mm or 16.0mm lens.

		INFRARED CAMERA								HIGH RESOLUTION INFRARED CAMERA							
Model No.		PIH-0123P6	PIH-0123P8	PIH-0123P12	PIH-0123P16	PIH-0124P6	PIH-0124P8	PIH-0124P12	PIH-0124P16	PIH-0143P6	PIH-0143P8	PIH-0143P12	PIH-0143P16	PIH-0144P6	PIH-0144P8	PIH-0144P12	PIH-0144P16
		PIH-0127N6	PIH-0127N8	PIH-0127N12	PIH-0127N16	PIH-0124N6	PIH-0124N8	PIH-0124N12	PIH-0124N16	PIH-0147N6	PIH-0147N8	PIH-0147N12	PIH-0147N16	PIH-0144N6	PIH-0144N8	PIH-0144N12	PIH-0144N16
Lens	Focal Length	6.0mm	8.0mm	12.0mm	16mm	6.0mm	8.0mm	12.0mm	16.0mm	6.0mm	8.0mm	12.0mm	16mm	6.0mm	8.0mm	12.0mm	16.0mm
	Iris	F1.8	F2.0	F2.0	F2.0	F1.8	F2.0	F2.0	F2.0	F1.8	F2.0	F2.0	F2.0	F1.8	F2.0	F2.0	F2.0
	Angle of View	H 44.5° V 33.1° D 56°	32° 24° 40°	22.4° 16.8° 28°	16° 12° 20°	44.5° 33.1° 56°	32° 24° 40°	22.4° 16.8° 28°	16° 12° 20°	44.5° 33.1° 56°	32° 24° 40°	22.4° 16.8° 28°	16° 12° 20°	44.5° 33.1° 56°	32° 24° 40°	22.4° 16.8° 28°	16° 12° 20°
Power Input Voltage	AC90~260V				AC24V (±10%)				AC90~260V				AC24V (±10%)				
System	NTSC or PAL																
Sync. Mode	Internal																
Pick Up Element	1/3" Exview HAD CCD Sensor																
Effective Pixels	510(H) x 492(V) [NTSC] ; 500(H) x 582(V) [PAL]								768(H) x 494(V) [NTSC] ; 752(H) x 582(V) [PAL]								
Chip Size	6.0mm(H) x 4.96mm(V)																
Horizontal & Vertical Sync. Frequency	15.734KHz / 59.94Hz [NTSC] ; 15.625KHz / 50Hz [PAL]																
Scanning System	2 : 1 Interlace																
Resolution	380TV Lines								480TV Lines								
Minimum Illumination	0.01 Lux (F1.8) ; 0 Lux (IR ON)								0.05 Lux (F1.8) ; 0 Lux (IR ON)								
S/N Ratio	More Than 50dB (AGC OFF)																
Auto Gain Control	36dB Variable Gain																
White Balance	ATW																
Aperture Correction	Horizontal , Vertical																
Power Consumption	10W																
Shutter	1/60(1/50) ~ 100,000sec. (Auto)																
Back Light Compensation	Auto																
Video Output	CVBS 1.0Vp-p , 75ohm																
Gamma Characteristic	$\gamma = 0.45$																
IP Rating	IP66																
Infrared LED	Peak Wavelength	850nm															
	Beam Spread	20°															
	Radiant Distance	25M(f=6mm) , 30M(f=8mm) , 35M(f=12mm) , 40M(f=16mm)															
Operating Temperature	-10°C ~ +50°C (14°F ~ 122°F)																
Dimension	φ 100 x 235mm																
Weight	1500g																

Design and specifications are subject to change without notice.

*** Any attempt to disassemble the camera may hamper the waterproof ability of the camera.**

66-012CSE-8

