

1.0 Manufacturer

MERIT LILIN ENT. CO. LTD
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Manufacturer shall warrant the camera to be free from defects in material and workmanship for **three years** from the purchase date.

2.0 Description

The **25m** day and night Vari-focal IR Camera described shall be a LILIN model number **CMR 124X3.6P** or equivalent. The camera described shall be an industrial grade, high sensitivity color camera using **ExView** HAD CCD technology from SONY, low light performance, standard resolution, and with day and night focus shift lens.

3.0 General Specifications

The day and night Vari-focal IR camera shall incorporate a 1/3" **ExView HAD** CCD with **500(H) x 582(V)** effective pixel (PAL). The day and night Vari-focal IR camera shall produce a picture with **380 TVL** or more. The video camera shall have a minimum light requirement of **0.005 lux at F1.4**; 0 lux when IR is ON. The camera shall be built-in with **3.3~12mm** Vari-focal autoiris lens. The video camera shall have a video signal to noise ratio of 50dB or more. The video output level shall be 1.0Vp-p (75Ω, BNC).

The camera shall be equipped with high quality **3.3~12mm** Megapixel Vari-focal autoiris lens.

The video camera shall have a video signal to noise ratio of 50dB or more. The video output level shall be 1.0Vp-p (75Ω, BNC).

The day and night Vari-focal IR camera shall have **IP-68** rating, high sensitivity sensor and produce an excellent picture quality. The day and night Vari-focal IR camera shall have Infrared LED Peak Wavelength of 850nm, beam spread of 30° and radiant distance of **25m** or more. The front heat resistance glasses shall have a copper isolator that separates the lens from IR LEDs.

The IR camera shall feature with integrated housing and bracket; no cable will be seen once it is installed on the wall.

The day and night Vari-focal IR camera shall not exceed a dimension: **ϕ 100mm x 88mm**, and weigh no more than 700g. Power requirement for the video camera shall be AC 24V and power consumption of 7.2W. The operating temperature for video camera shall be -10°C ~ +50°C. The manufacturer shall comply with ISO-9002 with CE listed. Please submit relevant document for support and approval.

4.0 Minimum Performance Specifications

25m Vari-focal IR Color Camera		
Model No.	CMR 124X3.6P	
Lens	Focal Length	Megapixel 3.3~12mm
	Iris	F 1.4
	Angular Diagonal	125.7°~29.9°
Power Input Voltage	AC24V	
System	PAL	
Sync. Mode	Internal	
Pick Up Element	1/3" Sony ExView HAD CCD Image Sensor	
Effective Pixel	500(H) x 582(V)	
Chip Size	6.0mm(H) x 4.96mm(V)	
Horizontal & Vertical Sync. Frequency	15.625KHz/ 50Hz	
Scanning System	2 : 1 interlace	
Aperture Correction	Horizontal, Vertical	
Resolution	380 TVL	
Minimum Illumination	0.005Lux, F 1.4 / 0 Lux when IR is ON	
Shutter	(Auto or Off)1/60(1/50)S ~ 1/100,000sec.	
Auto Gain Control	36dB Variable Gain	
S/N Ratio	More than 50dB (AGC - OFF)	
White Balance	ATW	
Power Consumption	7.2W	
Operating Temperature	- 10°C ~ +50°C	
Gamma Characteristic	$\gamma = 0.45$	
Infrared LED	Peak Wavelength : 850nm	
	Beam Spread : 30°	
	Radiant Distance : 25m	
Dimension	∅ 100mm x 88mm	
Weight	700g	