SR7424X / SR7428X

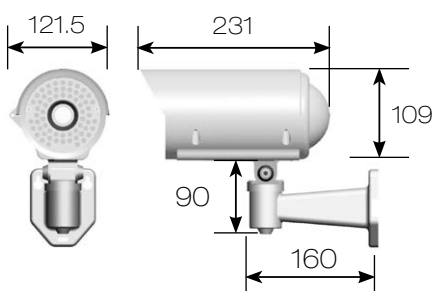## DAY & NIGHT 1080P 60 FPS HD VARI-FOCAL IR IP CAMERA

LILIN S Series cameras – SR7424X and SR7428X are best-in-class IP cameras, designed for a variety of outdoor and indoor applications. From LILIN's powerful latest technology, the S Series cameras have an ultra fast frame rate of 60 FPS at 2 megapixel 1080P resolution, this results in crystal clear images. Its IP66-rated housing protects the SR7424X/SR7428X camera body against dust and rain. IP66 rating ensures operation under harsh weather conditions. Cameras are incorporated with a progressive scan MOS sensor with 0.1 lux at F1.4 low light mode capability, S Series camera – SR7424X and SR7428X are able to capture fast moving objects during daytime and nighttime. The S Series cameras support high performance H.264 and Motion JPEG compression technology, and offers smooth video quality up to 60 FPS at 60 FPS at 1080P. Using 60 FPS at 2 megapixel 1080P resolution, can be particularly beneficial when viewing moving objects to ensure pictures are kept sharp.
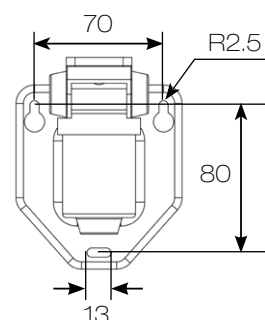
FEATURES :

- Full HD 2.0 megapixel MOS image sensor
- 60 FPS @ 1080P True H.264 AVC High Profile video compression
- H.264 and Motion JPEG multi-profile video streaming
- 3D Noise Reduction (MCTF) / HDR function up to 120dB
- Defog function
- Digital PTZ supported
- Tampering / Audio / Motion detection alarm function
- Cable managed housing and bracket
- High efficiency IR LED, radiant distance up to 45m
- Day & Night (IR cut removable)
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF supported

DIMENSIONS : (Unit : mm)

Body : 121.5 x 109 x 231 (W x H x D) Bracket : 160(L)

INSTALLATION HOLE SITE DIAGRAM :

www.meritlilin.com

Creativity
Progress &
Excellence

SPECIFICATION :

Name	Day & Night 1080P 60 FPS HD Vari-Focal IR IP Camera	
Model	SR7424EX3.6	SR7428EX3.6
Lens	Focal length	3.3 – 12 mm	
	Iris	F1.4	
	Angle of view	H	79.3° – 29.8°
		V	59.4° – 22.4°
		D	99° – 37.3°
Pick Up Element	1/2.86" MOS image sensor	
Effective Pixels	1952 (H) x 1266 (V) = 2,471,232 (pixels)	
Chip Size	5.346mm (H) x 3.336mm (V)	
Scanning System	Progressive Scan	
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)	
Min. Illumination	0.1 Lux at F1.4 (Low Light Mode) / 0 Lux with IR LED ON	
White balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2	
Back light compensation	Off / On	
Electrical Shutter	1/30(1/25)s – 1/30000s	
Sense up	Off / 1 Frame / 2 Frames	
Sense up +	Yes	
Auto gain control	54 dB Variable Gain	
3D Noise Reduction	Off / 1 – 32 Selectable	
2D WDR	Off / Auto / x2 / x3 / x4 (by normal mode)	
High Dynamic Range	Up to 120dB (by HDR mode, 2 shutter line interleave)	
Privacy Masking	Off / On (4 zones)	
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Defog	
Live Video Output	CVBS 1.0Vp-p, 75 ohm, BNC connector	
Audio In / Output	Mono, 1.4 Vp-p , 50 KΩ , Terminal connector	
IP Rating	IP66	
Window	Ø92 Heat Resistant Glass	
Infrared LED	Peak wavelength	850nm	
	Beam spread	30°	
	Radiant distance	45M	
Operating Temperature	-40°C – +50°C (-40°F – 122°F)	
Dimension	Body : 121.5mm(W) x 109mm(H) x 231mm(D) , Bracket : 160mm(L)	
Weight	1700g	
Power Supply	AC24V (±10%)	AC100 – 240V (±10%)
	PoE+ (IEEE 802.3at compliant)	
Power Consumption	15W (PoE+, 16.5W)	

Network		
Video compression	H.264 Main and High Profile , Motion JPEG	
Resolution	1080P(1920x1080), 720P(1280x720), D1(720x480), CIF(352x240)	
Frame Rate	Dual-stream mode, H.264 : up to 60 FPS @ 1920 x 1080, Motion JPEG : up to 30 FPS @ 720 x 480	
	HDR mode, H.264 : up to 30 FPS @ 1920 x 1080 , Motion JPEG : up to 30 FPS @ 720 x 480	
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast	
Video bitrate	128Kbps – 12Mbps	
	Frame rate and bit rate controllable on-the-fly	
	VBR / CBR / GOP supported	
Security	Base64 HTTP encryption	
	Multiple user access levels with password protection	
	10 user accounts available	
Users	8 simultaneous users	
ePTZ & Digital zoom	Yes, ROI is supported	
OSD	Text overlay for date, time, and camera name	
Alarm function	Alarm / motion / tampering / audio detection triggering recording into SD card	
	Image upload over FTP and E-mail by tampering / audio / motion detection	
CPU, memory	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3, 256MB flash memory	
Maintenance	Firmware update via HTTP	
	Firmware available at web site	
Network Interface	10/100/1000 Mbps Base-T, RJ-45	
PC requirement	OS : Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8	
	Browser : Windows Internet Explorer 6.0 or above	
	CPU : Intel Core 2 Duo E6400 2.13GHz or above	
	RAM : 2GB or above, Independent Display Card	
Network protocols	IPv4, IPv6, TCP, UDP, HTTP, SMTP, NTP, DDNS, UPnP, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SNMP, SIP	
Mobile phone and PDA	iPhone, iPad, and Android support	
System Integration	ONVIF & LILIN HTTP API	
Central management system	CMX 3.6 / NAV 1.0 support	
Video display	LILIN Universal ActiveX & LILIN Java Applet	
OS	Embedded Linux 3.8.0	
Two-way audio	G.711 / PCM	
SD card recording	Support Micro SD/SDHC/SDXC card for circular recording (card is not included)	
Alarm input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load max. 40VDC/300mA)	