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## Day & Night 1080P 60FPS HD Vari-Focal IR IP Camera



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### Features

- Full HD 2 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)
- 2D WDR function
- Defog function
- HDR function up to 120dB
- Digital PTZ supported
- Face / Tampering / Audio / Motion detection alarm
- 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 Profile S supported
- Support Sense Up + and Quadruple Streaming technologies

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### Description

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 0.02 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 1080P. Using 60 FPS at 2 megapixel 1080P resolution, can be particularly beneficial when viewing moving objects to ensure pictures are kept sharp.

## Specifications

Model	SR7424EX3.6
Image Sensor/Sensor type	1/2.86-inch MOS
Effective pixels	1952 x 1266
Video Compression	H.264 (main & high profile); M-JPEG
Resolution	1080P(1920×1080) , 720p(1280 x 720) , D1(720 x 480) , CIF(352 x 240)
Frame Rates	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
Lens	2.8mm-12mm
Iris	F1.4
Angle of View	91.2°- 25.5°(H), 59.4°- 22.4°(V), 99°- 37.3°(D)
Max IR distance	45m
Infrared LED Angle	30°
Video streaming	RTP / HTTP, RTP / TCP, RTP / UPP, Multicast Multiple configurable streams in H.264 and M-JPEG, configurable frame rate and bandwidth
Video bitrate	128Kbps to 12Mbps ; Frame rate and bitrate controllable on-the-fly ; VBR / CBR / GOP supported
Peak wavelength	850nm, high efficiency array

Window / Glass Thickness	Ø92 Heat Resistant Glass
Scanning System	Progressive scan
IR cut filter	Colour (Day), Monochrome (Night), Auto, Schedule
Min. illumination/Low Light Mode (Colour)	0.06 Lux at F1.4 (Color);0.02 Lux at F1.4 (B/W) , 0 Lux with IR LED ON
White Balance	Auto / Tungsten / Indoor / Fluorescents1 / Fluorescents2 / Outdoor1 / Outdoor2
Back Light Compensation (BLC)	On / Off
Shutter Time	1/30(1/25)s to 1/30000s
Sense Up	Off / 1 frame / 2 frames
Sense Up+	Yes
Auto Gain Control	54 dB variable gain
3D Noise Reduction	Off / 1 to 32 selectable
2D WDR	Off / Auto / x2 / x3/ x4 (by normal mode)
High Dynamic Range(HDR)	Up to 120 dB by HDR mode, 2 shutter line interleave
Privacy Masking	Four independent areas
Other functions	Sharpness, Image flip, Image mirror, Defog, Hue
Live video	CVBS 1.0Vp-p, 75 ohm, BNC connector
Audio Input / Output	Mono, 1.4 Vp-p , 50 KΩ , terminal connector
Encryption	Base64 HTTP encryption
Access	Multiple user access levels with password protection
User accounts	10 users accounts available
IP address filter	Yes
Multi IP address	Yes
Users	8 simultaneous users
ePTZ & Digital Zoom	Yes, ROI (Region of Interest) is supported
OSD (On-Screen Display)	Text overlay for date, time and camera name
IVS (Intelligent Video Surveillance)	Motion detection, Tamper detection, Zone Entering, Direction detection, Zone crossing

Alarm event triggers	Tampering / audio / motion /alarm detection Image upload over FTP and E-mail by tampering / audio / motion detection
Alarm event actions	Yes
CPU	Embedded SoC, 1.2GHz Dual ARM Cortex-A9 & 600MHz ARM11, 1GB DDR3,256MB flash memory
Firmware	Firmware upgrade via HTTP
Network Interface/Ethernet	10/100/1000Mbps Base-T, RT-45
CE	EN 55022: 2010 Class A / EN 50130-4: 2011 / IEC 61000-4-2: 2008 / IEC 61000-4-3: 2006+A1: 2007+A2: 2010
FCC	Part 15: Subpart B (Class A) / CISPR22: 2008 Class A
OS requirement	Windows 2000□Windows XP□Windows Vista□ Windows 7□Windows 8
Web browser	Microsoft® Internet Explorer® 6.0 and later
CPU requirement	Intel Core 2 Duo E6400 2.13GHz or above
RAM requirement	2GB or above, Independent Display Card
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, Bonjour
Mobile phone	Integrated to LILIN mobile app (LILINViewer) ; iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN NAV 1.0 / Third party VMS through LILIN HTTP API
Video Display	LILIN Universal ActiveX & LILIN Java Applet
OS	Embedded Linux 3.8.0
Audio	2-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 to 5VDC) / 1 Output (MOS Relay contact N.O. , Load max. 40VDC/300mA)

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IP Rating	IP66 waterproof
Operating temperature	-40° to 50° (-40° to 122°)
Dimensions	121.5mm(W) × 109mm(H) × 231mm(D), Bracket : 160mm(L)
Weight	1700g approx
Power Supply	AC24V (±10%)□Power over Ethernet+ (IEEE 802.3at compliant)
PoE	PoE+, IEEE802.3at
Power Consumption	15W (PoE+, 16.5W)

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