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## 1080P Day & Night Fixed IR Bullet IP Camera



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### Features

- Full HD 2 megapixel CMOS image sensor
- 2MP H.265/HEVC and H.264/AVC high-performance video compression
- Simultaneous streaming of H.265 and H.264 encoded streams
- 3D noise reduction (MCTF)
- 2D WDR function
- DWDR function up to 70dB
- High efficiency IR LED, radiant distance up to 30m
- Day & Night (IR cut removable)
- Digital I/O : 1 in, 1 out
- ONVIF Profile S supported
- IP67 rain and dust resistant
- Vandal resistant approve

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### Specifications

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Model	P5R8822E2
Min. illumination/Low Light Mode (Colour)	Color : 0.01 Lux at F2.0 ; B/W : 0.002 Lux at F2.0 ; 0 Lux with IR LED ON
Starting Temperature	-10°C – +50°C (14°F – 122°F)
Operating temperature	-30°C – +50°C (-22°F – 122°F)
Storage temperature	-25°C – +60°C (-13°F – 140°F)
Operating humidity	0% ~ 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 6.8W / PoE, 8.7W
Lens	2.8mm
Iris	F2.0
Iris Control	Fixed IRIS
Angle of View	118.6° (H) 64.8° (V) 140.2° (D)
Peak wavelength	850nm
Beam Spread	60°
Max IR distance	30M
Pick Up Element	1/2.7" CMOS image sensor
Effective pixels	1932(H) X 1092(V) = 2,109,744 (Pixels)
Light sensor	Yes
CE	Yes, EMI CLASS A
FCC	Yes, EMI CLASS A
IP Rating	IP67
Vandal Resistant Rating / IK Rating	IK10
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or more, Dedicated Graphics Card
Web browser	Microsoft® Internet Explorer® 9 or above
Dimensions	74(W) × 69(H) × 189(D) mm
Weight	555g
Casing Material	Aluminum alloy
Window / Glass Thickness	Ø61 Heat Resistant Glass

Alarm Input / output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block
Video Compression	H.265/HEVC Main Profile, H.264 Main Profile , Motion JPEG
Video streaming	RTSP/UDP, RTSP/TCP, configurable streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of streams	3
Video bitrate	128Kbps - 8192Kbps, Frame rate and bit rate controllable on-the-fly, VBR / CBR / GOP supported, H.264/H.265
Encryption	Base64 HTTP encryption, Digest HTTP authentication, RTSP Authentication
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Access	Multiple user access levels with password protection
User accounts	7 simultaneous users
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), 720 × 576, 720 × 480, 720 × 384, VGA(640 × 480), CIF(352 × 256)
Frame Rates	60Hz: 30 fps @ 1920 × 1080 50Hz: 25 fps @ 1920 × 1080
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Schedule / Day (Color) / Night (Mono)
White Balance	Auto/ Manual (adjustable)
Back Light Compensation (BLC)	Off / On
Electrical Shutter	1/30(1/25)s – 1/20000s
Sense Up	Off / x2 / x4
Sense Up+	Yes
Auto Gain Control	42 dB Variable Gain

S / N Ratio	More than 48dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto (x2, x3, x4)
High Dynamic Range(HDR)	Up to 70dB (DWDR on)
EV (Exposure Value)	Adjustable
Privacy Masking	Off / On (4 zones) color mask configurable
Image Effects	Brightness, Contrast, Hue, Saturation, Sharpness, Mirror, Flip, Rotation
Mobile phone	Integrated to LILIN mobile app (LILIN Viewer), iPhone, iPad, Android support
Video Management	ONVIF Profile S / LILIN Navigator Enterprise 2.0 support, Third party VMS through LILIN HTTP API
SD Card (recording)	Support (128GB) Micro SD/SDHC/SDXC card for circular recording (card is not included)
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
Alarm event triggers	Motion / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Alarm event actions	FTP / SMTP / SD / Alarm / Global Counter / Virtual Input
Languages	English, Traditional Chinese, Simplified Chinese, Spanish, Italian, Turkish, Russian, Korean, French, Arabic, Hungarian, Japanese
Network Interface/Ethernet	10/100 Mbps Base-T, RJ-45
OSD	Text overlay for date, time, and camera name (position configurable text overlay for date, time, camera name)
CPU.Memory	SoC ARM Cortex-A7 Single Core,Embedded DDR2, size up to 512MB flash memory
Network OS	Embedded Linux 3.10

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Protocols	IPv4, TCP, UDP, HTTP, HTTPS, SMTP, NTP, DDNS, FTP, ARP, DHCP, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, SSL/TLS
Max number of online users	7 simultaneous users
Video Display	LILIN Universal ActiveX
Log	System / Config / Alarm / User / Record / Storage / Network

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