

P7G1122

2MP Day & Night Box IP Camera



The 7 Series camera is a versatile and high-performance device designed to deliver clear and stable video output. It supports up to 120FPS video capture, making it ideal for applications requiring high-speed motion tracking.

This camera features comprehensive software and hardware I/O interfaces, enabling seamless integration with peripheral devices or backend systems, such as digital I/O ports, C#, and Python libraries. With its reliable performance, flexible integration capabilities, and high-speed imaging features, the 7 Series camera is a dependable choice for intelligent surveillance and security systems.

1080P

ONVIF® | S T G M

- Full HD 2M 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
- HDR function up to 120dB
- Digital PTZ supported
- IVS
- Motion / Tamper / Audio / Alarm / Network lost detection function
- SMART event
- Day & Night (IR cut removable)
- Built-in highly sensitive microphone
- 2-way audio supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S, T, G supported
- RS-485 supported
- Digital I/O : 1 in, 1 out
- ONVIF Profile S, T, G supported
- RS-485 supported



Lens	
Iris Control	DC-IRIS
Sensor	
Pick Up Element	1/2" CMOS image sensor
Effective Pixels	1945 (H) × 1097 (V) = 2,133,665 (Pixels)
Light Sensor	Yes
Certifications	
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
UKCK	Yes, EMI Class A
PC Requirements	
CPU	Intel® Core™ i7 or higher grade
OS	Windows 7 or above
RAM	8GB or above, Dedicated Graphics Card
Web Browser	Microsoft® Internet Explorer® 9 or above, Microsoft® Edge (IE mode)
Input / Output	
Audio Input / Output	Mono, 1.98 Vp-p , 2.2KΩ , 3.5mm phone jack
Audio	Two-way Audio, G.711 u-law / PCM / AAC, Built-in Microphone
Alarm Input / Output	Digital 1 input (TTL, +3 – 5VDC) / 1 Output (MOS Relay contact N.O., Load.max. 40VDC,450mW/300mA,450mW), Terminal block
Live Video Output	CVBS 1.0Vp-p, 75 ohm, RCA jack
Video Streaming	
Video Compression	H.265/HEVC main profile, H.264 main and high profile , Motion JPEG
Video Streaming	RTP/HTTP, RTP/TCP, RTP/UDP, Multicast streams in H.265 and H.264 and Motion JPEG, configurable frame rate and bandwidth
Number of Streams	4
Video Bitrate	128Kbps – 12Mbps; Frame rate and bit rate controllable on-the-fly; VBR / CBR / GOP supported, Fixed bitrate,
Network Security	
Encryption	Base64 HTTP encryption, HTTPS encryption
Authentication	Digest HTTP authentication, RTSP authentication, DDNS via HTTPS
Address Filter	Yes
Access	Multiple user access levels with password protection
User accounts	10 user accounts available
Multi IP Address	Yes
Video Resolutions (H x V)	
Resolution	2MP(1920 × 1080), 1.3MP(1280 × 960), 1MP(1280 × 720), D1(720 × 480, 720 × 576), VGA(640 × 480), CIF(352 × 240)
Maximum Frame Rate	Normal mode: 60Hz: 120 FPS @ 1920 × 1080 50Hz: 100 FPS @ 1920 × 1080 HDR mode: 60Hz: 30 FPS @ 1920 × 1080 50Hz: 25 FPS @ 1920 × 1080
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Manual one push
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / x2 / x4 / x8 / x16
Sense Up+	Yes
Auto Gain Control	36 dB Variable Gain
S/N Ratio	More than 50dB (AGC off)

3D Noise Reduction	Off / 1 – 32 Selectable
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, Rotation, Defog
EV (Exposure Value)	Adjustable
Integration	
Mobile Application	Integrated to LILIN mobile app (LILIN Pro) iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, LILIN Navigator Enterprise 5.0 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)
SD Card Compatible List	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / ONVIF Profile M / IVS events, LILIN Navigator Enterprise 5.0 support, Third party VMS through LILIN HTTP API
Maintenance	Firmware update via HTTP and IP Scan; Firmware available at website
IVS Basic 1.0	Motion / Tamper
Event Triggers	Motion / Tamper / Audio / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm Output / Push Service / Global Counter / Virtual Input
Control Interface	RS-485 , Half-Duplex
Languages	English, Traditional Chinese
Network	
Ethernet	10/100/1000 Mbps Base-T, RJ-45
ePTZ & Digital Zoom	Yes
OSD	Position configurable text overlay for date, time, camera ID, event status
CPU, Memory	Embedded Quad-core ARM Cortex-A53 1.0GHz CPU & 2GB LPDDR4X, 8GB e.MMC memory
OS	Embedded Linux 4.14
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, IGMP, ONVIF Profile S, ONVIF Profile T, ONVIF Profile G, ONVIF Profile M
Max number of online users	10 simultaneous users
Video Display	LILIN Universal ActiveX & HTML5
Log	Event & operation log & IVS event log
Schedule	Support holiday list
Network Storage	NAS (Support SAMBA/CIFS)
Power and Environment	
Starting Temperature	0° C – +50° C (32° F – 122° F)
Operating Temperature	-20° C – +50° C (-4° F – 122° F)
Storage Temperature	-25° C – +60° C (-13° F – 140° F)
Humidity	0% – 90% RH
Power Supply	DC12V ±10% / PoE (IEEE 802.3af compliant)
Power Consumption	DC12V, 7.6W / PoE, 8.1W
Mechanical	
Dimension	70(W) × 50(H) × 135(D) mm
Weight	435g
Casing Material	Aluminum alloy