

# P6R3780BE4

4k Day & Night Fixed IR Vandal Resistant Dome IP Camera



## Performance, Perfect Image, 4K High Resolution

The P6 series cameras with high performance chip and fixed lens can effectively and precisely re-generates the real image without quality loss.

H.265 encoding also saves bandwidth to stream the video in a smart manner.

### Features

- Ultra HD 8M megapixel CMOS image sensor
- 8MP 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
- IVS
- Motion / Tamper / Alarm / Network lost detection / Global Counter / Virtual Input / Metadata
- SMART event
- High efficiency IR LED, radiant distance up to 15m
- Day & Night (IR cut removable)
- Digital I/O : 1 in, 1 out
- ONVIF Profile S , T , G supported
- IP6K9K rain and dust resistant
- Vandal resistant approve IK10
- EN50155 Certificated
- M12 connector



Video Performance	
Minimum Illumination	Color : 0.09 Lux at F1.6 ; B/W : 0.01 Lux at F1.6 ; 0 Lux with IR LED ON
Lens / Night Vision (Infrared LED)	
Focal Length	4mm
Iris / Aperture	F1.6
Iris Control	Fixed IRIS
Angle of View (H)	86.1°
Angle of View (V)	46.6°
Angle of View (D)	101.7°
Peak Wavelength	850nm
Beam Spread	60° , 90°
Radiant Distance	15M
Sensor	
Pick Up Element	1/2.8" CMOS image sensor
Effective Pixels	3864 (H) × 2176 (V) = 8,408,064 (Pixels)
Light Sensor	Yes
Certifications	
CE	Yes, EMI Class A
FCC	Yes, EMI Class A
IP Rating	IP6K9K
Vandal Resistant Rating	IK10
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
Input / Output	
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 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	3
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	4K(3840 × 2160), 6M(3072 × 2048), 5MP(2592 × 1944), 4MP(2304 × 1728), 3.1MP(2048 × 1536), 3MP(2304 × 1296), 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: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160 HDR mode: 60Hz: 30 FPS @ 3840 × 2160 50Hz: 25 FPS @ 3840 × 2160
Video Functions	
Scanning System	Progressive Scan
Infrared Cut Filter	Auto / Day (Color) / Night (Mono) / Schedule
White Balance	Auto / Manual
Electrical Shutter	1/30(1/25)s – 1/30000s
Sense Up	Off / x2 / x4 / x8 / x16
Sense Up+	Yes
Auto Gain Control	48 dB Variable Gain
S/N Ratio	More than 40dB (AGC off)
3D Noise Reduction	Off / 1 – 32 Selectable
2D WDR	Off / Auto / x2 / x3 / x4
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 Viewer) iPhone, iPad, Android support
Video Management	ONVIF Profile S / ONVIF Profile T / ONVIF Profile G / IVS events, 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
IVS Basic 1.0	Motion / Tamper
Event Triggers	Motion/Tamper/Alarm/ Network lost detection / Global Counter/VirtualInput / Metadata
Event actions	FTP / SMTP / HTTP post / SD card / SAMBA / Alarm Output / Push Service / Global Counter / Virtual Input
Languages	English, Traditional Chinese



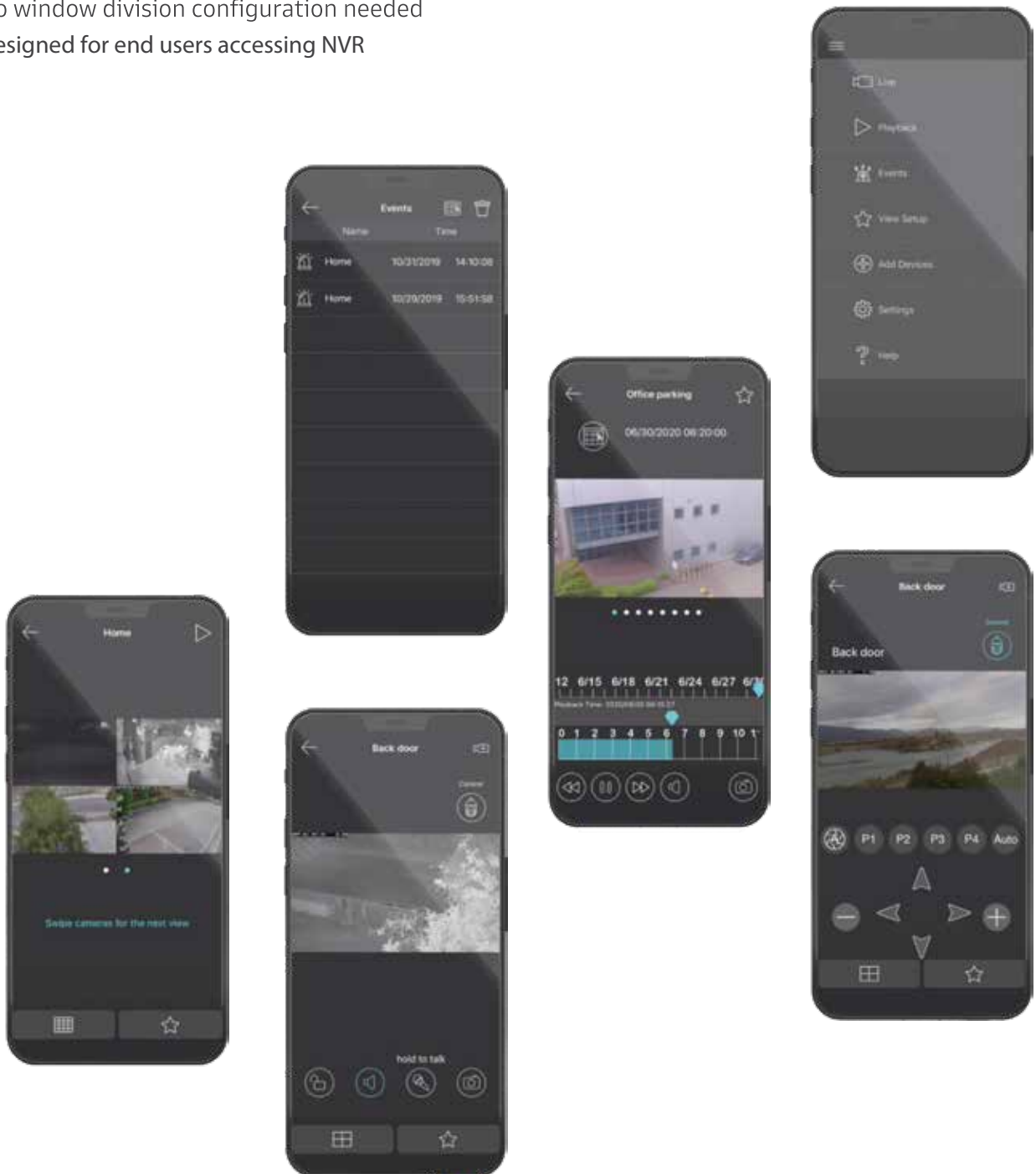
Network	
Ethernet	10BASE-T/100BASE-TX, M12
OSD	Position configurable text overlay for date, time, camera ID
CPU, Memory	Embedded Quad-core ARM Cortex-A9 1.0GHz CPU & (DDR 1024MB/Flash 128MB)
OS	Embedded Linux 4.14(By SPEC)
Network Protocols	IPv4, TCP, UDP, HTTP, HTTPS, QoS, NTP, DDNS, FTP, ARP, DHCP, PPPoE, DNS, RTSP, RTCP, Telnet, ICMP, ONVIF Profile S, ONVIF Profile T, ONVIF Profile G
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	-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)
Humidity	0% – 90% RH
Power Supply	PoE (IEEE 802.3af compliant)
Power Consumption	PoE, 10W (M12)
Mechanical	
Dimension	Ø110 × 48(H) mm
Weight	390g
Casing Material	Aluminum alloy



## Easy access to NVRs

LILINHome App is designed for accessing live video and recording for LILIN NAVs VMS, NVRs, and cameras. Two-way audio, push notification, digital output control, and PTZ control are supported by the App. Easy configuration for LILIN P2P NVR is supported, no complicate camera settings. Secured credentials stored and cloud configurations are also supported.

- No cameras or NVRs configuration needed
- No window division configuration needed
- Designed for end users accessing NVR





## Totally NAV Compatible

Navigator 3.0 Corporate version supports multiple input sources, each station can record and manage up to 108 channels and support alarm trigger and output function. It can support POS system, ANPR, Face Recognition, AIDA recognition. It can provide complete remote software to perform multi-site monitoring and statistics display, which can be used for various applications with LILIN IO box. It provides a complete TV wall and eMap alarm display. And a very reliable disconnection recovery and backup mechanism.

- Manage and record 108 IP cameras per station
- User can decide to record main stream or substream
- Integrated alarm management for various alarm outputs
- User-friendly UI and TV Wall application are supported
- Compatible with third party ONVIF Profile S IP camera
- User account customizable
- Support failover up to 36 channel per server, can monitor up to 8 recording server
- Several alarm input with logical control and support schedule management
- Support 4K UHD camera, 120FPS camera
- Support corridor mode and increase the monitoring area in the vertical narrow environment

