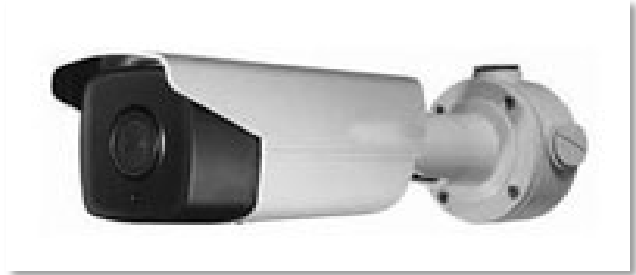


HNC512-VBA12-LPR 2MP Smart IP Outdoor Bullet Camera



smart IPC

License Plate Recognition (LPR) ultra-low light smart camera is able to capture vehicle images and recognize the vehicle number (license) plate in dim light environments.

HNC512-VBA12-LPR camera offers high resolution, 120 dB WDR, auto-iris, PoE, defog, EIS, 3D DNR, IR, heater, alarm I/O, and audio I/O, etc., to meet a wide variety of applications.

The camera is available in 2.8–12 mm and 8–32 mm lens options and features an LP capture rate up to 99 percent and a recognition rate up to 95 percent.

Vehicle speeds of 75 mph (120 km/h) are supported. Up to four lanes of traffic can be monitored. Vehicle direction and recognition of vehicles both approaching and leaving are included.

Up to 2,048 whitelist (authorized) and blacklist (unauthorized) records can be maintained.

- 1/1.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- High light environment
- 120dB WDR
- 3D DNR
- Audio/Alarm IO
- Support 128G on-board storage
- DC12V/POE(802.3at)

Smart

- 6 behavior analysis, 4 exception detections, 1 recognition, 1 statistic function.
- Smart recording: Support edge recording and dual-VCA.
- Smart encoding: Support low bit rate; low latency; ROI enhance encoding
- Smart lens options: ABF, P-iris.

Image

- HD 1920 × 1080 @ 60 fps
- Support rotate mode, suitable for environment as corridor.
- Support regional cropping, details can be seen with low bandwidth.
- Code smoothness setting for different requirements of image quality and fluency.
- Support H.264+/H.264/MJPEG video compression, multi-level video quality configuration; support Basic/Main/High Profile H.264 encoding complexity.
- Multiple OSD color: Black & white self-adaptive; Custom
- WDR is supportable for backlight environment.
- Support defog, BLC, HLC.

System

- Support ONVIF (profile S/profile G), CGI, PSIA, ISAPI protocol.
- Support three streams, and Support 20 channels live view at the same time.
- Anti-surge, anti-static protection level.

Interface

- Support standard 128G Micro SD/SDHC/SDXC card storage.
- Support 10M/100M/1000M Ethernet Port.
- Support Audio I/O, support dual channel stereo audio.
- Support Alarm I/O
- Support CVBS analog output (4CIF resolution)

Security

- Support three-level user authentication management, user and password authorization, IP address filtering and anonymous access.
- Support security certificate as HTTPS, SSH; support creating certificate.
- Basic and digest authentication is supportable in IE configuration
- Lock user IP for many times error login

HNC512-VBA12-LPR

2MP Smart IP Outdoor Bullet Camera



Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	0.0027 Lux @ (F1.4, AGC ON), 0 lux with IR
Shutter Speed	1/3s ~ 1/100,000s
Slow Shutter	Support
Lens	2.8-12mm @ F1.4 angle of view: 92°~32°; 8-32mm @ F1.4 angle of view: 42°~13.5°
Lens Mount	AF automatic focusing and motorized zoom lens
Auto-iris	DC drive
Day & Night	IR cut filter with auto switch
WDR	120dB
Compression Standard	
Video Compression	H.264+/H.264/MJPEG/MPEG4
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Image	
Max. Resolution	1920 x 1080
Frame Rate	50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720) 60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50/60Hz: 20fps(1280 × 720)
Image Enhancement	EIS/BLC/HLC/3D DNR/ROI/Defog
Image Setting	Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser
Regional Cropping	Support
Distortion Correction	Support
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Road Traffic & Vehicle Detection	
Accuracy	Capture rate up to 99%, recognition rate up to 95% (if LPR Camera Installation Manual carefully followed)
Vehicle Speed	Supports vehicle speeds under 74.6 mi/h (120 km/h)
Line Numbers	Up to four lines supported. Recommend setting 1 or 2 lines for best performance
Direction	Supports capture and recognition of vehicles both approaching and leaving
Whitelist & Blacklist	Up to 2,048
Interface	
Audio	1-ch 3.5 mm audio in (Mic in/Line in)/out interface
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port
Alarm	1 input, 1 output (up to DC24V 1A or AC110V 500mA)
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes

Audio	
Environment Noise Filtering	Support
Audio I/O	Support dual audio track, stereo
Audio Sampling Rate	16kHz / 32kHz / 44.1kHz / 48kHz
Smart Feature-set	
Behavior Analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exiting	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display
Exception Detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)
Heat Map	Support
General	
Protection Level	IP67
IR Distance	50m(2.8~12mm)/100m(8~32mm)
Operating Conditions	-40 °C – 60 °C (-42 °F – 140 °F), Humidity 95% or less (non-condensing)
Power Supply	12 V DC ± 10%, PoE (802.3at)
Power Consumption	Max. 15W
Dimensions	311.8 × 100 × 103.9 mm (12.28" × 3.94" × 4.09")
Weight	Camera: approx. 2075 g (4.57 lb.) With package: approx. 2100 g (4.63 lb.)