

80BAI80SM5A2-PTBA-LPR

8MP AI HD License Plate Recognition POE Network Camera



Model Number	80BAI80SM5A2-PTBA-LPR
System	
System Processor	NT98528
Image Sensor	1/2.8" SONY IMX415 low illumination CMOS sensor
ROM	256M
RAM	512M
Min. Illumination	0Lux(IR ON)
Lens	
Lens Type	3.3~10.5mm Motorized Lens @F1.6~3.1
Lens Resolution	8MP
Illuminator	
Light Distance	Warm Light 60m,IR Light 80m
IR LEDs	4pcs Hybrid Light Core+2pcs Strobe Warning Light LEDs
Day & Night Mode	Hybrid Light Mode/ Infrared Mode/ Full Color Mode
Video	
Max. Image Resolution	8MP(3840x2160)

Video Compression	H.265/H.264
Frame Rate	Main Stream: 5-30fps:3840x2160,2560x1440,1920x1080 Secondary Stream: 5-30fps:720x576,720x480,704x576,640x360,640x480,512x288,352x288 Sub-Stream: 5-30fps:512x288,352x288
Video Bit Rate	Main Stream:256~8192Kbps,default 4096Kbps Secondary Stream:16~1024Kbps,default 682Kbps
Image Settings	Support Brightness,contrast,saturation,and sharpness adjustment
WDR	HDR (DWDR)
Synchronization	Inter-Sync
Noise Reduction	3D NR
Defog	Support
Exposure Setting	Auto
General Features	Time Configuration, OSD Configuration,Privacy Masking,Log Management,Video Occlusion Alarm,Defocus Detection
Audio	
Audio Input	Support, built-in microphones
Audio Output	Support, built-in speaker
Audio Compression	G.711A/U
Network	
Network Connection Mode	Wired
Networking Protocol	HTTP,TCP/IP,ICMP.RTSP,RTP,UDP,RTCP,SMTP,DHCP,DNS
Interface Protocol(API)	ONVIF,GB28181
Web Access	Support IE8+,Chrome18+,Firefox5.0+,Safari5.02+browser,support Chinese and English
Simultaneous Preview Channels	A maximum of 16 concurrent streams per client
Event	
Smart Event	Motion Detection(human), Intrusion Detection, Tripwire Detection, Defocus Detection, Video Occlusion Detection
Linkage	Supports alerts via E-mail, Client Software, and Mobile App Push Notification.
License Plate Recognition	
License Plate Mode	Auto-focuses and zooms on vehicles for clearer plate recognition.
License Plate Recognition	Supported LPR Algorithms: Multi-national (incl. CN, EU, US, JP, KR, TW ¹ , TR, BR, SG, TH, IN, PH, etc.) Customization: Supported
Recognition Speed	40KM/h
Recognition Distance	Automatic license plate recognition and capture within 5-25meters
Vehicle Structured Information	Vehicle identification by license plate number

License Plate Recognition Features	Number
White&Black List	Support
License Plate Capture	
License Plate Capture	Real-time video license plate capture, TF card storage, PC upload
Interface	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-Board Storage	Support, Max 512GB SD card
Alarm	YES
RS-485	NO
Audio	YES
Reset	No
General	
User Management	Supports up to 12 users with 3-level permissions: Administrator, Operator, and Guest.
Power Supply	DC12V±10% /POE
Power Consumption	<10W
Surge Protection	4KV
Housing	Metal Bullet
Weather Proof	IP66
Working Temperature	-20 °C to 60 °C
Working Humidity	10%-90% (Non-condensing)
Application Scenarios	Parking Lot, Low-Speed Lane, Entrance /Exit Gate

Overall Dimension Drawing