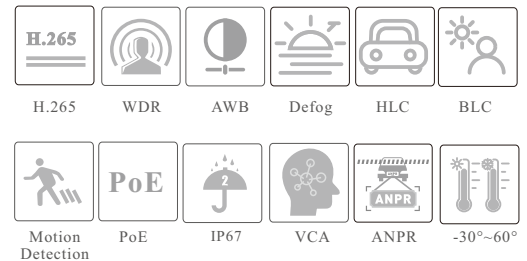


# VSL ANPR2bhMZ

## 2MP HD License Plate Recognition Bullet Network Camera



- 2MP (1920 × 1080 ) @30fps
- Support H265+/H264+/H265/H264/MJPEG coding
- ICR auto switch, true day/night
- Motorized lens
- 3D DNR, WDR, HLC, BLC and ROI coding
- Built-in micro SD card slot, up to 256GB
- DC12V/AC24V/PoE power supply
- Support three streams
- IP67
- Support mobile surveillance by smart phones with iOS and Android OS
- Support license plate detection and recognition
- Support P2P function
- Support dual-system backup

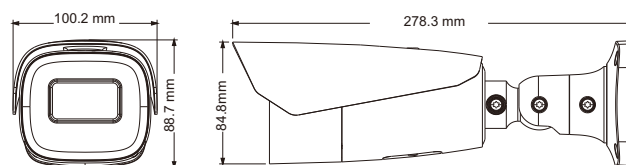


## SPECIFICATIONS

Specifications	Model	VSL ANPR2bhMZ
<b>Camera</b>		
Image Sensor		1 / 1.8" CMOS
Image Size		1920 × 1080
Electronic Shutter		Manual or auto; manual: 1 / 1 s ~ 1 / 100000s
Iris Type		DC Iris
Min. Illumination		0.001 lux@F1.6, AGC ON; 0 lux with IR
Lens		2.8~12mm@F1.6, motorized
Field of View		Horizontal:100°~48.5°; Vertical: 54°~26.5°; Diagonal: 119°~55.8°
Lens Mount		Integrated
Recommended ANPR Distance		3~8m
Wide Dynamic Range		120dB
BLC		Yes
HLC		Yes
Defog		Yes
Digital NR		3D DNR
S/N Ratio		≥50dB
Angle Adjustment		Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°
<b>Image</b>		
Video Compression		Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard		Baseline Profile/Main Profile/High Profile
Resolution		1080P(1920×1080), 720P(1280×720), D1, CIF
Main Stream		1080P( 60Hz : 1 ~ 30fps; 50Hz : 1 ~ 25fps ) HFR Mode: 1080P(60Hz: 1~60fps; 50Hz: 1~50fps)
Sub Stream		720P/D1/CIF ( 60Hz : 1 ~ 30fps; 50Hz : 1 ~ 25fps )
Third Stream		D1/CIF ( 60Hz : 1 ~ 30fps; 50Hz : 1 ~ 25fps )
Bit Rate		64 Kbps ~ 8 Mbps
Bit Rate Type		VBR / CBR
Audio Compression		G711A / U
Image Settings		ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Vertically flip, Horizontally flip, NR, etc. adjustable through client software or web browser
ROI		Each ROI to be configured separately
<b>Interfaces</b>		
Network		RJ 45 10M/100M self-adaptive Ethernet port
Video Output		CVBS output (BNC× 1)
Audio		1CH audio input; 1CH audio output
Storage		Built-in micro SD card slot; up to 256GB
Reset		Yes
Alarm		1CH alarm input; 1CH alarm output
RS 485		Yes
Wiegand		Yes (26bit)
<b>Functions</b>		
Remote Monitoring		Web Browser/NVR/mobile APP
Web Browser		Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection		Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol		UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Interface Protocol		ONVIF
API&SDK		Yes
Storage		Network remote storage; micro SD card storage
Smart Alarm		Motion detection, sensor alarm, SD card error, SD card full, IP address conflict, cable disconnection, audio alarm
Security		Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
General Function		Watermark, video mask, heartbeat, ANR, cloud upgrade

PoE	Yes , IEEE802.3af
IR Distance	50~70m
Protection Grade	IP67
<b>License Plate Detection</b>	
Snapshot	Original image (2MP resolution) and license plate image
Vehicle Plate Database	10,000
License Plate Detection & Recognition	Capture of vehicles with license plates and vehicles without license plate, Support plate exposure, travel direction recognition, plate character fault tolerance, plate comparison, snapshot time display Vehicle feature extraction: including vehicle color, plate color, vehicle type, vehicle brand/model, etc.
Capture Speed Range	0~80km/h
<b>Entrance and Exit</b>	
Barrier Gate Control Mode	Camera or Platform control
Relay Output	1-ch relay output, supporting opening/closing/suspending of a barrier gate
Screen Display	Support connecting a screen through RS485 interface to display captured license plates
<b>Plate Capture</b>	
Capture Rate	In the recommended installation and lighting condition, the vehicle capture rate: ≥ 99%
LPR Accuracy Rate	Entrance & Exit: ≥ 99%; Road: ≥ 98% (Under recommended installation and lighting condition)
<b>Others</b>	
Power Supply	DC12V/AC24V/PoE
Power Consumption	DC12V: < 12W; AC24V: < 10W; PoE: < 10W
Operating Environment	- 30 °C ~ 60 °C (-22°F~140°F); Humidity: less than 95 % (non-condensing)
Storage Environment	- 30 °C ~ 65 °C (-22°F~149°F); Humidity: less than 95 % (non-condensing)
Dimensions ( mm )	278.3 × 100.2 × 88.7
Weight ( net )	Approx. 1.176KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)

## DIMENSIONS



## AVAILABLE ACCESORIES



VSB IPT13

VSB IPT14 +  
VSB IPT13