

**Access ANPR Camera** 





### **Functions**

#### **System Overview**

Using deep learning algorit hms, Smart ANPR Camera can recognize vehicles, license plates, vehicle brands and vehicle colors. It can be used in scenarios that require vehicle detection and recognition. It also supports using IVS to detect events, and triggers sound and light alarms. The camera can perform various functions without being connected to other devices, which not only greatly improves the security of factories and compounds, but also simplifies the installation process. The camera is dustproof, waterproof, and tamper-proof, and is IP67 rated and IK10 rated.

#### **Vivid Images**

With its intuitive CMOS image sensor, the camera has WDR, a high signal-to-noise ratio, and is highly sensitive, producing vivid images 24/7, making it ideal for use in the traffic industry.

#### **Impressive Performance**

The high-performance CPU processor extracts and analyzes information on motor and non-motor vehicles in real time, providing valuable information on their features. This information is useful for effective decision making.

#### **High-level Protection**

Resilient and versatile, the camera is uniquely designed with an illuminator, junction box and more integrated into its structure. It is IP67 rated and has low power consumption, making it suitable for harsh environments.

#### **Easy Installation**

Ideal for scenarios where license plate recognition is needed, the camera is capable of capturing more than ten different types of traffic violations, and supports traffic information collection and event detection. It is suitable for road scenarios.

#### **Multi-dimensional Data Sensing**

Easy to install and commission, the camera has an LED illuminator and motorized vari-focal lens embedded in its structure.





Camera						
Image Sensor	1/1.8" CMOS					
Image Resolution	2688 × 1520					
Electronic Shutter Speed	Auto/Manual 1/25s~1/10,000s					
Max. Detection Speed	80 km/h					
Wax. Detection speed	0.001 Lux@F1.4 (Color, 30 IRE)					
Min. Illumination	0.0002 Lux@F1.4 (B/W, 30 IRE)					
	0.0002 Lux@F1.4 (B/W, 30 IRE)  0 Lux (Illuminator on)					
ROM	1 GB					
RAM	4 GB					
S/N Ratio	>56 dB					
Scanning System	Progressive scanning					
Lens	Progressive scarin	ing				
	0.7					
Focal Length	2.7 mm–12 mm					
E. 1.1. 60 f	H: 92° (W)—46.1° (T)					
Field of View	V: 49° (W)—26.0° (T)					
	D: 109° (W)—52.8° (T)					
Focus Control	Auto, Area Focus, Manual					
Number of Lens		1				
Lens Type	Motorized Vari-Focal					
Max. Aperture	1.4					
Iris Control	DC-Iris					
	Lens	Detect	Observe	Recognize	Identify	
	W	60.4 m	24.2m	12.1m	6.0m	
DORI Distance		(198.16ft)	(79.40ft)	(39.70ft)	(19.68ft)	
	Т	128.7m	51.5m	25.7m	12.9m	
		(422.24ft)	(168.96ft)	(84.32ft)	(42.32ft)	
Illuminator						
Illuminator Number	4					
Illuminator On/Off Control	Auto, Manual					
Illuminator Type	Dual Illuminators	(730 nm IR/Warn	n Light)			
	ANPR: 10 m (32.81 ft)					
Illumination Distance	Video Monitoring: 30 m (98.43 ft)					
	According to the brightness of the environment, the camera automatically adjusts the					
Smart Illumination	intensity of its light to reveal the details of moving targets. Devices with warm light can					
	automatically adjust the light intensity according to the time.					
Infrared Wavelength	730 nm		<u> </u>			
Video						
	Main stream: 4M (2688 × 1520)/1080p (1920 × 1080)/720p (1280 × 720)					
Video Resolution	Sub stream: 720p (1280 × 720)/960H (960 × 576, 960 × 480)/					
	D1 (704 × 576, 704 × 480)/CIF (352 × 288, 352 × 240)					
Stream	PAL:					
	Main Stream (2688 × 1520@25 fps, 1920 × 1080@25 fps, 1280 × 720@25 fps)					
	Sub Stream (1280 × 720@25 fps, 960 × 576@25 fps, 704 × 576@25 fps,					
	352 × 288@25 fps);					
	NTSC:					
	Main Stream (2688 × 1520@30 fps, 1920 × 1080@30 fps, 1280 × 720@30 fps)					
	Sub Stream (1280 × 720@30 fps, 960 × 480@30 fps, 704 × 408@30 fps,					
	352 × 240@30 fps)					
Video Compression	H.264H; H.264B; H.264M by default; H.265; MJPEG; H.264M					
Video Compression	п.204п, п.204В; Г	1.204IVI by default	ι, π.203, ΙΥΙΙΡΕ <b>G</b> , Η	.∠U <del>1</del> 1VI		





Video		
	H.264B: 2,179 kbps–13,074 kbps	
	H.264M: 2,179 kbps-13,074 kbps	
Video Bit Rate	H.264H: 2,179 kbps–13,074 kbps	
video bit itate	H.265: 2,179 kbps-13,074 kbps	
	MJPEG: 6,537 kbps-39,223 kbps	
Scene Self-Adaptation (SSA)	Yes	
Gain Control	Manual; Auto	
Noise Reduction	3D NR	
Region of Interest (RoI)	Yes, 3	
	Yes. Watermarks can be Added to Videos and Images. The Watermark can also be	
Image Tampering Prevention	Verified.	
Bit Rate Control	CBR; VBR	
Function	CENTY VEIX	
	Bult-In TF Card Port. Supports Kingston 16 G, 32 G, 128 G, 256 G;	
Storage	Dahua Card 16 G, 32 G, 128 G, 256 G; SanDisk 16 G, 32 G, 128 G, 256 G	
	Allowlist: 110,000	
Restricted List/Trusted List	Blocklist: 110,000	
IVS	Intrusion Detection, Loitering Detection, Up to 4 Areas can be Set.	
	Alarms for Events of Defocus, No Storage Card, Storage Card No Space, Storage Card	
Basic Event	Error, Network Disconnection, IP Conflict, and Illegal Access.	
Sound and Light Alarm	Yes, Blue & Red Indicator, and Supports Broadcasting Custom Audio.	
	Upload to FTP/Memory Card, Notify Monitoring Center, Send E-mail, Trigger Alert	
Alarm Linkage	Output, Snapshot and Active Deterrence	
Capture Distance	3 m–8 m (9.84 ft–26.25 ft)	
Detected Width	3 m-4 m (9.84 ft-13.12 ft)	
Network		
Network Protocol	HTTP; Https; 802.1x; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; IPv4/v6; NTP; SFTP;DDNS; SNMP; PPPoE	
API	Yes	
SDK	Yes	
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; ITSAPI; P2P	
Management Software	DSS Pro; DSS Express; Cybercity; Smart PSS	
Security	Username and Password; MAC Address; HTTPS; IEEE 802.1x; Network Access Control	
,	Plug In:	
	IE 9, 10, 11.	
Browser	Chrome 52 and Earlier Versions	
Browser	Firefox 42 and Earlier Versions	
	No Plug In:	
	Chrome 92 and Later Versions	
lmage		
Image Encoding Format	JPEG	
Image Setting	Brightness; Contrast;Ssaturation; Gamma; Sharpness; Gain; White Balance	
Day/Night	IR Filter, Support Three Modes: Color/B/W/Auto	
WDR	140 dB	
HLC	Yes	
BLC	Yes	
	Auto; Regional Custom; Manual; Outdoor; Natural; Street Lamp	
White Balance	Auto; Regional Custom; Manual; Outdoor; Natural; Street Lamp	
White Balance Digital Detail Enhancement	Auto; Regional Custom; Manual; Outdoor; Natural; Street Lamp  Yes	



Image			
OSD Overlay	Supports Overlay of Time; Address (Position of Channel), Lane (Number/Direction),		
OSD Overlay	Plate (Number and Color), Vehicle (Speed, Color, Type)		
Audio			
Audio Port	Yes		
Built-In MIC	Yes; Pick-Up Distance: 3 m (9.84 ft), Sampling Rate: 48 k.		
Built-In Speaker	Yes; Power: 2 W		
Port			
Audio Output	1 Channel (RCA Port)		
Network Port	RJ-45 (10/100/1000 Self-Adaptive Ethernet Port)		
Alarm Input	2, Optocoupler Input (Wet Node On-Off Value: 5 V)		
Alarm Output	2, Relay Output (2A 30VDC/0.5A 125VAC), Which can Connect to Devices Such as		
RS-485	2 (Half Duplex, Transparent, DHRS, Push Data Through Serial Port)		
Reset Button	Yes		
Wiegand	1 Channel, SHA-1 26 bit		
Performance	T Charliely Start 1 25 Sit		
Maximum Number of Passed			
Vehicles	10,000		
Max. Number of Connections	10		
Intelligence			
Intelligence	December 2011 - Trans Valida Cinna Valida Calan Valida Dista Nakida		
Al Recognition	Recognizes vehicle Types, Vehicle Signs, Vehicle Color, Vehicle Plate, Plate, Vehicle		
	Without Plate.		
Video Metadata	Displays the Intelligent Frame, Plate and Vehicle Paths.		
Vehicle Brand	Recognizes 147 Vehicle Logos.		
Vehicle Color	Recognizes 12 Colors: Grey, Black, White, Silver, Blue, Green, Purple, Red, Orange, Pink, Brown, and Yellow.		
	· · ·		
Vehicle Type Recognition	Recognizes 9 Vehicle Types: Large Bus, Heavy Truck, Medium Truck, Sedan, Van, Light		
	Truck, Medium Bus, SUV, MPV, Pickup		
	Baseline Support:		
	GCC (U.A.E., Saudi Arabia, Morocco, Oman, Iraq, Egypt, Jordan, Qatar, Kuwait, Bahrain,		
	Lebanon)		
	Europe (Netherlands, France, Germany, Britain, Italy, Poland, Belgium, Bulgaria, Serbia,		
	Slovakia, Spain, Denmark, Turkey, Israel, Czech Republic, Bosnia and Herzegovina,		
	Switzerland, Austria, Hungary, Romania, Lithuania, Latvia, Sweden, Estonia, Portugal,		
	Greece, Slovenia, Luxembourg, Palestine, Lebanon, Ireland, Finland, Norway, Croatia,		
Country and Region Supported	North Macedonia)		
by ANPR	Russian-speaking regions (Russia, Ukraine, Kyrgyzstan, Uzbekistan, Moldova, Lithuania,		
	Latvia, Georgia, Azerbaijan, Turkmenistan)		
	SADC (Uruguay, Paraguay, Brazil, Argentina, Chile, Colombia, Peru, Ecuador, Guyana)		
	North America (United States, Canada)		
	Can be Customized:		
	Mongolia, Japan, Philippines, Vietnam, Laos, Cambodia, myanmar, Thailand, Malaysia,		
	Singapore, Indonesia, Bangladesh, India, Pakistan, Curacao, Mexico, Guatemala, Costa		
	Rica, Australia, New Zealand, Tunisia, Algeria, Ethiopia, Tanzania, Uganda, Equatorial		
	Guinea, Japan, Zambia, Mozambique, South Africa, Mauritius		
Capture Rate	In The Recommended Installation and Lighting Condition,		
Capture Nate	The Vehicle Capture Rate ≥ 99%		
Recognition Rate	In The Recommended Installation and Lighting Condition, The Recognition Rate for		
	Positive and Departing Vehicles≥ 96%; The Recognition Rate for European Vehicle		
	Plates ≥ 98%		



General			
Remote control	Yes		
Communication Band	433 MHz		
Remote Control Distance	15 m (49.21 ft) (In An Open, Undisturbed Environment)		
Power Supply	12 VDC, 2A and POE:802.3at,Type 2,Class 4,(44V to 57V), 0.455A to 0.351A,Max.20W		
Power Consumption	Power Consumption In Different Conditions:		
	No Lighting < 6 W		
	Lighting <12 W		
	Speaker and Red/Blue Light Warning On < 17 W		
Protection	IK10; IP67		
Material	Aluminum Alloy Body+Plastic		
Product Dimensions	396.0 mm × 120.8 mm × 127.8 mm (15.59" × 4.76" × 5.03") (L × W × H)		
Packaging Dimensions	445.0 mm × 238.0 mm × 229.0 mm (17.52" × 9.37" × 9.02")		
Net Weight	2.3 kg (5.07 lb)		
Gross Weight	3.2 kg (7.05 lb)		
Storage Humidity	-40 °C to +70 °C (-40 °F to +158 °F)		
Storage Temperature	≤ 95% (Non-Condensing)		
Operating Temperature	-30 °C to +65 °C (-22 °F to +149 °F)		
Operating Humidity	10%–90% (Non-Condensing)		

## Dimensions (mm [inch])

