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DS-TCG227-A, DS-TCG227-AIR
ANPR Camera

Entrance & Exit Product

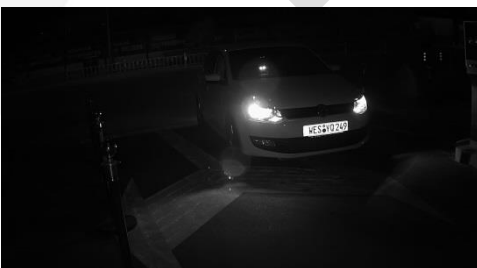|	
2MP	**CMOS**
ANPR	**IR**
VF	**Relays**
All-in-one	**PowerZoom**

DS-TCG227 camera series, based on deep learning, consists of protective cover, lens, camera, LED and power supply, offers high-definition Progressive Scan CMOS, and integrates intelligent recognition algorithms for specific applications such as entrance management, road safety enforcement, in-vehicle monitoring, parking lot control, etc.

Key Features

- 1/2.8" Progressive Scan CMOS
- Up to 1920 × 1200 resolution with real-time video
- 2x pics high-performance IR LEDs (Valid for IR camera models)
- 3.1 to 9mm motorized vari-focal lens
- Support relay output to control vehicle barrier
- Support loop triggering or video triggering
- Support multi-frame LPR
- Support dirty license plate recognition
- Support quick pass of multiple vehicles
- Support vehicle type, vehicle color and vehicle brand recognition
- Integrated shield, lights, TF Card (up to 128 G)
- Up to 30,000 whitelists
- Offline control
- PoE (802.3af)
- One-touch focus
- Manual capture and ANPR
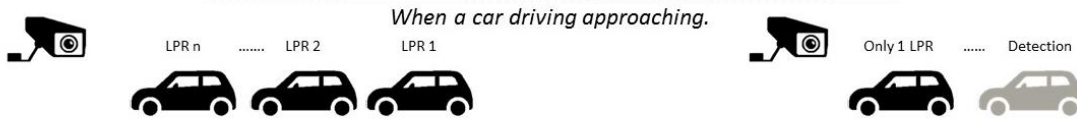
Multi-Frame LPR

Features and Functions

Multi-frame LPR   VS   LPR only one frame

When a car driving approaching.

LPR n   ....   LPR 2   LPR 1   Only 1 LPR   ....   Detection

Comparison to guarantee best result

- **High Accuracy**

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Quick Pass of Multiple Cars

Free-flow   VS   Stop & Go, one by one

Car 1   Car 2   Car 3   Car 4   Car 1   Car 2   Car 3

Open Gate   Go, Go, Go!!!   Open Gate   Stop & go   Stop & go
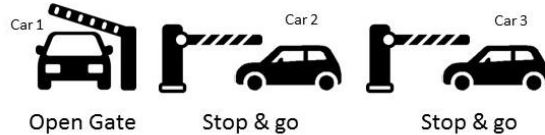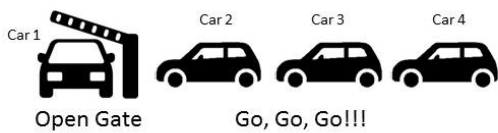
time-consuming

- **More efficient** and **Lower the risk** of car damage

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Specification

Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Min. Illumination	Color: 0.002Lux@(F1.2, AGC ON) B/W: 0.002Lux@(F1.2, AGC ON)
	Shutter Speed	1/30 s to 1/100,000 s
	Lens	3.1 mm to 9 mm
	IR Cut Filter	Support
Compression Standard	Video Compression	H.265, H.264
	Vieo Bit Rate	32 Kbps to 16 Mbps
Image	Image Format	JPEG
	Max. Resolution	1920 × 1200
	Frame Rate	25 fps(1920 × 1200)
	Image Settings	Saturation: 0 to 100 Brightness: 0 to 100 Contrast: 0 to 100 Gain: 0 to 100 3D DNR: Off, Normal and Expert modes are selectable. White balance: White Balance 1 and White Balance 2 are selectable.
Snapshot	Picture Format	JPEG with configurable quality
	Analytic	Support ANPR
	LED Control	Support automatic light control/time control of LEDs
Network	Storage	TF
	Protocols	TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures
	Security	User Authentication, Heartbeat, NTP
	API	ISAPI, SDK
Interfaces	Communication Interface	1 RJ45 10M/100M/1000M Ethernet port
	Serial Port	1 RS-485 Port, 1 RS-232 Port
	Built-in LED	2 built-in LEDs
	Audio Output	1-ch audio output
	Triggered Input	3-ch triggered input, including 1-ch I/O triggered input and 2-ch alarm input
	Relay Output	2-ch relay output, support open/close of barrier gates
	Memory Card Slot	1 TF card slot, up to 128GB
General	Working Temperature	-30°C to 70°C (-22°F to 158°F)
	Working Humidity	90% or less (non-condensing)
	Power Supply	12 VDC, PoE (802.3af)
	Power Consumption and Current	12 VDC, 1.0 A, 20 W
	Protection Level	IP67, IK10
Vehicle Recognition	Vehicle Type	Car (including SUV, MPV, Pickup)/truck/bus/van
	Vehicle Color	Red, yellow(including orange), green, blue, purple, brown, white, grey(including silvery), black

		Hyundai, Toyota, Kia, Honda, Volkswagen, Benz, Nissan, Ford, ISUZU, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo, Audi, Mazda, Hino, Peugeot, Ssang Yong, Citroen, Fiat, Scania, MAN, Volvo, Lexus, Seat, Land Rover, Daihatsu, UD Trucks, Subaru, IVECO, MINI, Jeep, Porsche, Chery, Dodge, Chrysler, Acura, Alfa Romeo, Great Wall, Infiniti, Smart, SAIC Maxus, JAC, Jaguar, GMC, Lincoln, JMC, SAAB, FAW, Yutong, Mercury, Joylong, Geely, Cadillac, Jinbei, Ankai, Haima, Foton, King Long, Dongfeng, Emgrand
	Vehicle Brand	
	Country/Region supported by ANPR	**European and Russian-Speaking Regions:** Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, United Kingdom, Ireland, Germany, Italy, Austria, Israel, Ukraine, Kyrgyzstan, and Russian Federation
	ANPR Recognition Accuracy (Under recommended installation and lighting conditions)	Capture rate > 98% Vehicle moving direction recognition accuracy > 96% Mistaken capture rate < 2% (entrance/exit), < 5% (checkpoint)
		European and Russian-Speaking Regions: LPR accuracy > 98% Country/Region recognition accuracy > 98%

Dimensions

357(14.06)

145 (5.71)

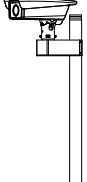68 (2.68)

143 (5.63)

189 (7.44)

Unit: mm (inch)
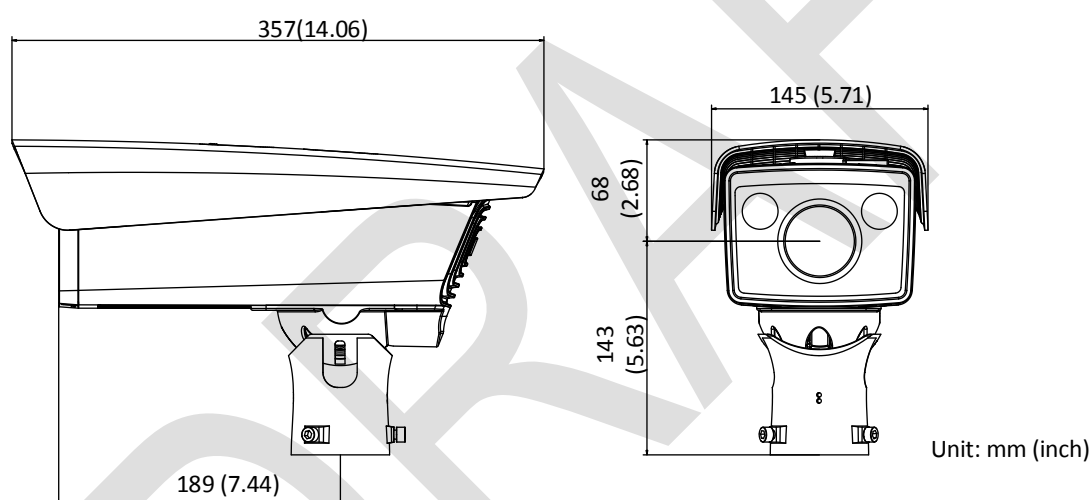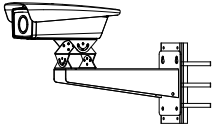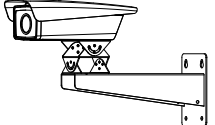
Available Models

White Light Supported: DS-TCG227-A, 305001269

IR Supported: DS-TCG227-AIR, 305001217

Accessories

	DS-1275ZJ/HWB	307500078	Combined with DS-1701ZJ/HWB	
	DS-1701ZJ/HWB	307500079	Combined with DS-1275ZJ/HWB	
		190501359	Wall Mount	
	L2500-X1300-R117(TCG225)	315100004	Pole Mount	
	L1300-R117(TCG225)	315100004	Pole Mount	
		315400006	Pedant Mount	

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