

iDS-TCH44P-B Multi-Lens LPR Camera



- Built-in triple-lens camera with 4 MP CMOS low illumination sensor. The left and right ones are motor-driven vari-focal lenses. The middle one is fixed-focal lens.
- Supports to recognize the number of vehicle axles and tyres based on the video detection.
- Supports to capture and output the complete side view picture of the vehicle with extra long body. Supports to capture pictures of the vehicle head and tail.
- Supports vehicle capture and corresponding functions: motor vehicles capture, LPR, and vehicle features recognition (main brand, sub-brand, and color).
- Adjustable built-in supplement light.
- Low illumination. Color: 0.01 Lux @ (F1.5, AGC ON).
- H.265 and H.264 encoding. Max. full HD 2688 × 1520 @ 25 fps real-time image output with ultra-low time delay and ultra-low bit rate.
- Dual streams. H.265/H.264 encoding with high compression ratio and flexibility. MJPEG encoding. Captured pictures adopt JPEG encoding, and the quality of pictures can be set.
- ROI video compression technology provides high compression ratio and flexible processing.
- D-WDR.
- Supports to set the overlay information on the videos and capture pictures independently.
- Supports multiple pictures upload mode (cloud storage, FTP, Hikvision SDK arming, etc.).
- Supports hardware watchdog.
- Supports to import and export the configuration file.
- IP65 dustproof, waterproof, and anti-surge protection.

▪ Specification

Camera	
Image Sensor	4 MP (1/1.8" CMOS) × 3
Max. Resolution	2688 × 1520. No limit on the width of combined vehicle body pictures.
Min. Illumination	Color: 0.01 Lux @ (F1.5, AGC ON)
Shutter Time	50 us to 20000 us
Lens	
Focal Length & FOV	Left& Right: 4 to 11 mm, motor-driven vari-focal lens Horizontal FOV: 114.7° to 41.9°; Vertical FOV: 59.4° to 23.6°; Diagonal FOV: 141.5° to 48.1° Middle: 3.2 mm, C/S-mount fixed-focal lens Horizontal field: 136°, Vertical field: 73° Diagonal FOV: 156°
Focus	Manual
Video	
Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	1920 × 1080, 704 × 576
Video Compression	H.264 and H.265 encoding Main stream: H.265/H.264/MJPEG Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline profile/Main profile/High profile
H.265 Type	Baseline profile/Main profile/High profile
Network	
Protocols	TCP/IP, HTTP, HTTPS, FTP, DNS, RTP, RTSP, RTCP, NTP, IPv6, UDP
Simultaneous Live View	Up to 6 channels
API	ISAPI, SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, HTTPS encryption, digest authentication for HTTP/HTTPS
Network Storage	MicroSD/TF card (128 GB), local storage and CVR, NVR, ANR
Client	iVMS-4200 (Only for video live view), HikCentral Professional V2.1 or above, HikCentral Master , HikCentral Master Lite
Web Browser	IE8-IE11
Image	
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable via client software or web browser.
Image Enhancement	BLC, HLC, 3D DNR
WDR	Supported

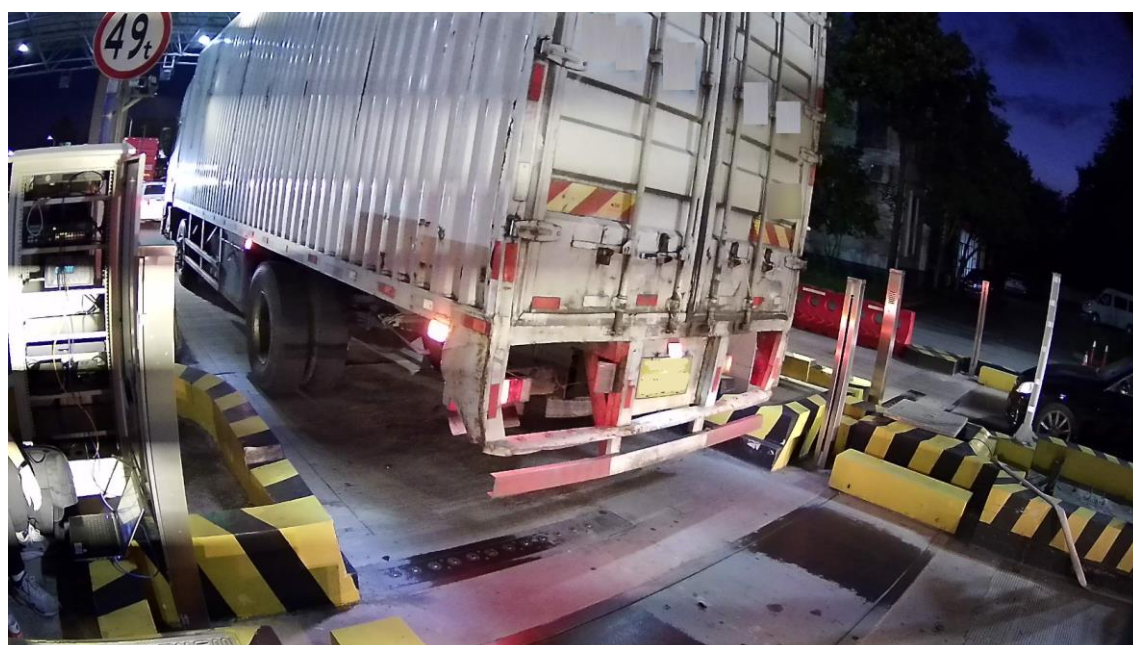
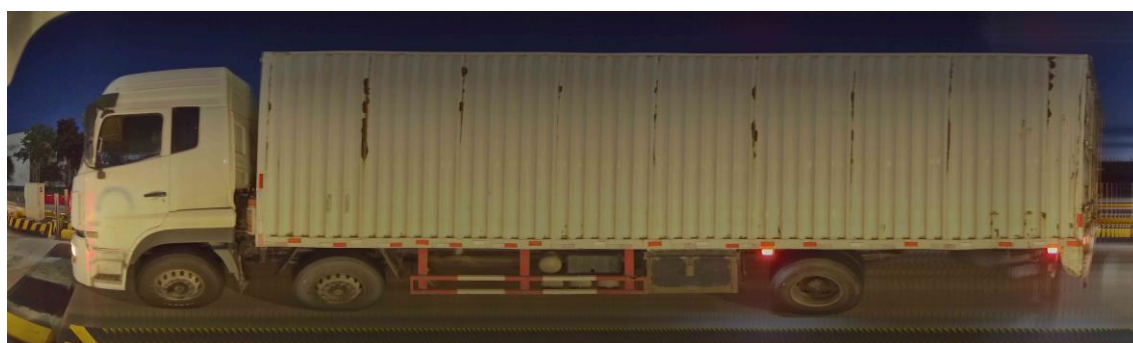
Interface	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
On-board Storage	Built-in microSD/TF card, up to 128 GB
RS-485	1 RS-485 interface (half duplex, HIKVISION)
Alarm Input	2 × IO input interface
Embedded LED Supplement Light	Supported
Event	
Basic Event	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception
Road Traffic and Vehicle Detection	
Trigger Mode	Video trigger
Smart Function	License plate recognition, vehicle axles and tyres number recognition, and vehicle features recognition
LPR Countries/Regions	Middle East: The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iran, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain Africa: Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Hong Kong, Macao, Taiwan, Burma, India, Mongolia, Cambodia, Laos, Bangladesh America: The United States of America, Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala Europe: Turkey, Croatia, Slovakia, Czech Republic, Bulgaria, the Republic of North Macedonia, Hungary, Greece, Poland, France, Netherlands, Switzerland, Spain, the UK, Ireland, Germany, Italy, Austria, Israel, Palestinian State, Belgium, Luxembourg, Albania, Kosovo Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia
No License Plate Detection	Supported
General	
Firmware Version	V4.5.7
Operating System	Linux
Power	100 to 240 VAC
Material	Aluminum alloy
Dimension	With package: 1925 mm × 410 mm × 370 mm (75.7" × 16.14" × 14.56")
Weight	Camera: approx. 19 ± 0.5 kg (41.8 ± 1.1 lb.)
Operating Condition	Temperature: -30 °C to 70 °C (-22 °F to 158 °F) Humidity: 95% or less (non-condensing)

General Function	One-key reset, three streams, heartbeat, password protection, watermark
Power Consumption	60W max
Approval	
Protection	IP65

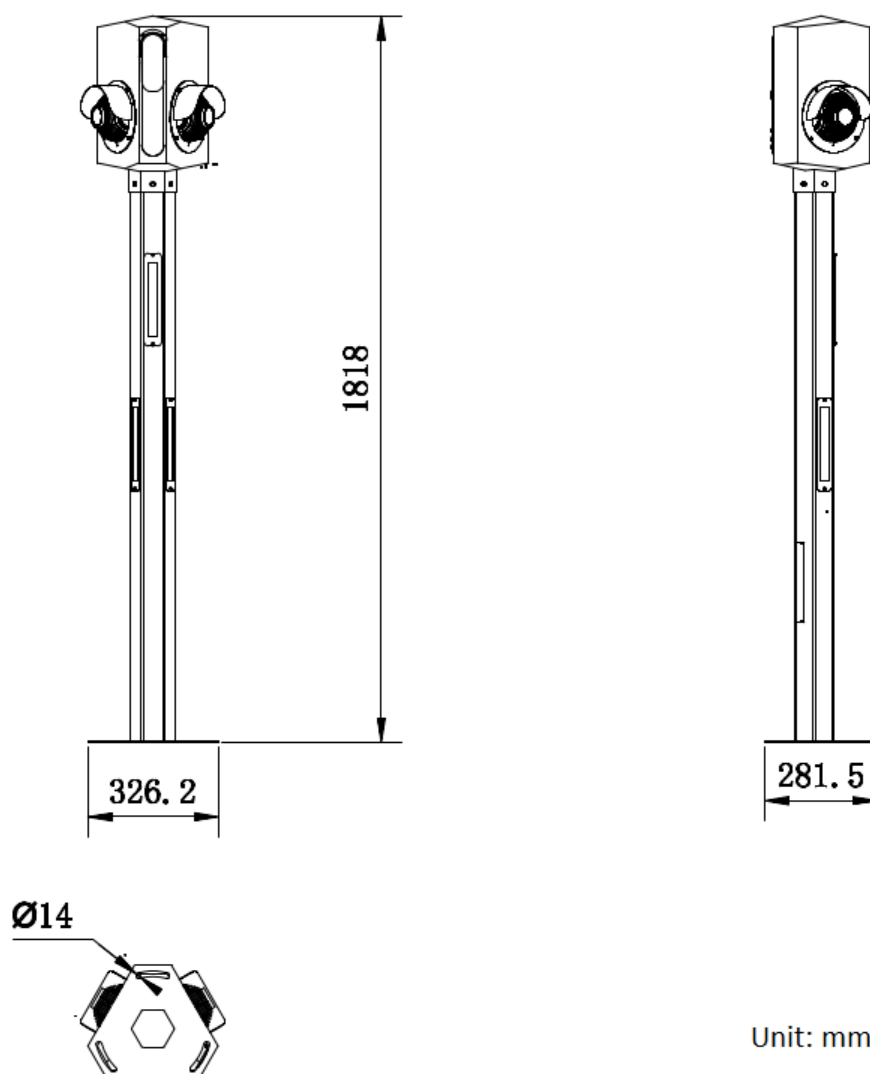
▪ Available Model

iDS-TCH44P-B/0411/03

▪ Typical Application



▪ **Dimension**



Unit: mm

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