

IDS-TCH55P-H 5 MP Axles Counting Trinocular Camera



- Built-in triple-lens camera with 5 MP CMOS low illumination sensor. All three lenses are fixed focus lenses.
- Supports to recognize the number of vehicle axles and tyres based on the video detection.
- Supports to capture and output the complete sideview 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 and LPR
- Adjustable built-in supplement light.
- Supports to set the overlay information on the videos and capture pictures independently.

▪ Specification

Camera	
Image Sensor	Middle camera: 1/2.7" CMOS; Left and right camera: 1/1.8" CMOS
Max. Resolution	Middle camera: 2688 × 1944, Left and right camera: 2944 × 1728
Min. Illumination	Middle camera: Color: 0.04Lux@ (F2.2 , AGC ON); B/W: 0.02Lux@ (F2.2 , AGC ON), Left and right camera: Color: 0.0005Lux @ (F1.6, AGC ON); B/W: 0.0002Lux@ (F1.6 , AGC ON)
Shutter Time	50 to 20000 μs
Day & Night	IR cut filter
Lens	
Lens Type	Fixed focal lens
Focal Length & FOV	Middle camera: 1.16 mm, horizontal FOV 164°, vertical FOV 164°, diagonal FOV 164°, Left and right camera: 4 mm, horizontal FOV 89.2°, vertical FOV 50.9°, diagonal FOV 101.7°
Lens Mount	M12
Iris Type	Fixed iris
Aperture	Middle camera: F2.2, Left and right camera: F1.6
Illuminator	
Built-in Supplement Light Type	IR light, White light
Light Bead	18
Built-in Supplement Light Range	Left and right light: Up to 20m, Middle light: Up to 4m
IR Wavelength	850 nm
Video	
Main Stream	Middle camera: 50Hz: 50fps(2688×1944, 1920×1088, 1280×1024, 640×480); 60Hz: 60fps(2688×1944, 1920×1088, 1280×1024, 640×480), Left and right camera: 50Hz 25fps(2944×1728, 1920×1200, 1920×1080, 1280×720); 60Hz 30fps(2944×1728, 1920×1200, 1920×1080, 1280×720)
Sub-Stream	Middle camera: 50Hz 50fps(1920×1088, 1280×720, 704×576, 352×288); 60Hz 60fps(1920×1088, 1280×720, 704×576, 352×288), Left and right camera: 50Hz 25fps(1920×1080, 1280×720, 704×576, 352×288); 60Hz 30fps(1920×1080, 1280×720, 704×576, 352×288)
Video Compression	Main stream: H.264/H.265/MJPEG, Sub-stream: H.264/H.265/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile

H.265 Type	Main Profile
Network	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DNS,RTP,RTSP,RTCP,NTP,SNMP,802.1X,IPv4/IPv6,UDP,ISUP,ARP,IGMP,SMTP
Simultaneous Live View	Up to 6 channels
API	ISAPI,SDK,ISUP
User/Host	Up to 32 users,3 user levels: administrator, operator, and user
Security	Password protection,HTTPS encryption,Complicated password,Control timeout settings,802.1X authentication (EAP-PEAP, EAP-LEAP, EAP-MD5)
Network Storage	Local storage,SD card (512 GB)
Client	Hik-Central Pro
Web Browser	Chrome V61+, IE9 to IE11, Firefox V41+, Edge
Image	
Image Settings	AGC,White balance,Gain,Sharpness,Contrast,Brightness,Saturation,Adjustable by client software or web browser.
Day/Night Switch	Day,Night,Auto,Schedule
Wide Dynamic Range (WDR)	Supported
Image Enhancement	BLC,HLC,3D DNR
Interface	
Ethernet Interface	2 RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface
On-Board Storage	Built-in memory card slot, supporting SD/SDHC/SDXC card, up to 512 GB
Alarm	1 IO input(s)
RS-485	1 RS-485 ((half duplex, HIKVISION)
RS-232	1 RS-232
Event	
Basic Event	HDD error,Network disconnected,IP address conflict
Road Traffic and Vehicle Detection	
Trigger Mode	Video trigger
Smart Function	License plate recognition, Axle total number recognition, Tyre total number recognition, Axle type recognition, Floating axle recognition

LPR Countries/Regions	<p>Middle East: The United Arab Emirates (Abu Dhabi, Ajman, Dubai, Fujairah, Ras Al Khaimah, Sharjah and Umm Al Quwain), Qatar, Iraq, Egypt, Jordan, Kuwait, Saudi Arabia, Pakistan, Oman, Lebanon, Bahrain,</p> <p>Africa: Nigeria, Kenya, Ivory Coast, South Africa, Tanzania, Mauritius, Morocco, Tunisia, Sierra Leone, Zambia, Ghana, Zimbabwe, Uganda, Angola, Ethiopia, Senegal, Algeria,</p> <p>Asia-Pacific: Australia, New Zealand, Indonesia, Malaysia, Singapore, South Korea, Thailand, Vietnam, the Philippines, Hong Kong, Macao, Taiwan, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka,</p> <p>America: Canada, Argentina, Chile, Paraguay, Uruguay, El Salvador, Bolivia, Colombia, Brazil, Ecuador, Peru, Mexico, Panama, Costa Rica, Trinidad and Tobago, the Dominican Republic, Guatemala,</p> <p>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, Belgium, Luxembourg, Albania, Kosovo, Serbia, Romania, Montenegro, Denmark, Finland, Sweden, Slovenia, Portugal, Malta, Cyprus, Iceland, Liechtenstein, Bosnia and Herzegovina,</p> <p>Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan</p>
Accuracy (Under recommended installation and lighting conditions)	<p>Capture rate > 99%, LPR accuracy > 98%, Mistaken capture rate < 2%</p>
General	
Operating System	Linux
Power	AC 100 V to 240 V, 2.0 A, max. 60 W, 2-core terminal block,
Material	SGCC
Dimension	1839.8 mm × 503.3 mm × 282.5 mm (72.43" × 19.81" × 11.12") (L × W × H)
Package Dimension	1925 mm × 410 mm × 430 mm (75.79" × 16.14" × 16.93") (L × W × H)
Weight	Approx. 22.25 kg (49.05 lb.)
With Package Weight	Approx. 24.15 kg (53.24 lb.)
Operating Condition	-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)
Storage Condition	-30 °C to 70 °C (-22 °F to 158°F). Humidity: 5% to 95% (non-condensing)
Heater	Not supported
Language	8 languages: English, Thai, Croatian, Korean, Russian, Traditional Chinese, Ukrainian, Spanish

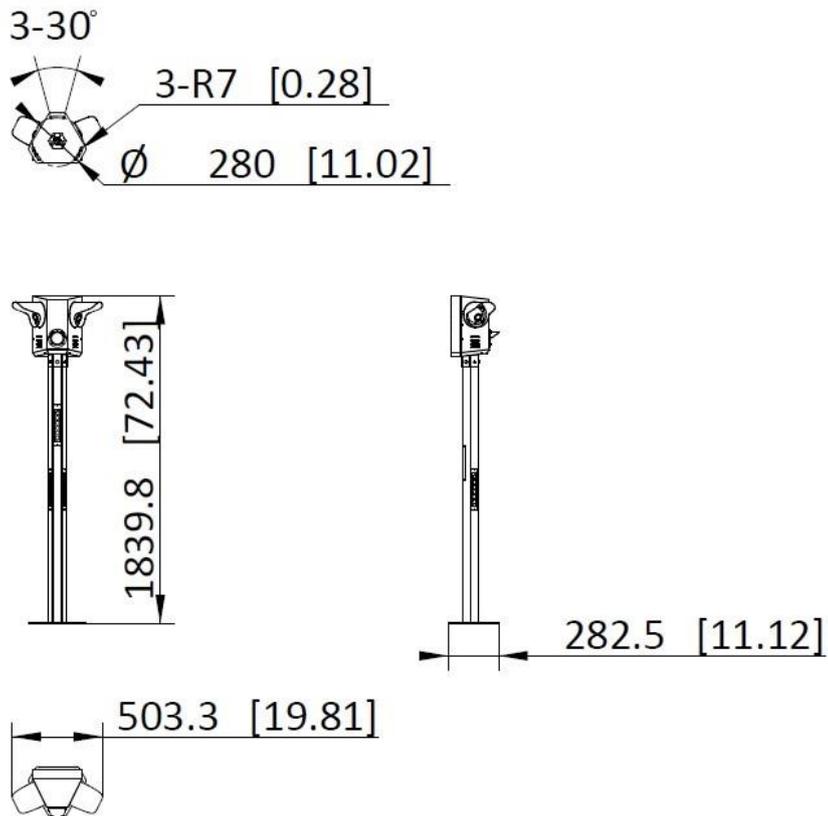
Approval	
EMC	CE-EMC: EN 50130-4: 2011+A1: 2014, EN55032: 2015+A11: 2020+A1: 2020, EN 55035: 2017+A11: 2020, EN 61000-3-3: 2013+A1: 2019+A2: 2021, EN IEC 61000-3-2: 2019+A1: 2021+A2: 2024, EN IEC 61326-1: 2021
Safety	CB: IEC 62368-1: 2014, CE-LVD: EN 62368-1: 2014+A11: 2017, CB: IEC 62368-1: 2018, CE-LVD: EN 62368-1: 2020+A11: 2020
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP54: IEC 60529-2013

▪ Available Model

iDS-TCH55P-H/05/01

iDS-TCH55P-H/05/01(Module)(N-P)

▪ Dimension



L×W×H: 1839.8mm×503.3mm×282.5mm (72.43×19.81×11.12)

Camera Mounting Hole[mm]	Camera Mounting Hole[inch]	Unit: mm [inch]	
3-R7	3-R0.28	SCALE	1:4

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