

iDS-TDIC00-HI 12 MP Portable Radar Speed Detector



- High quality imaging with 12 MP resolution(1.1" GMOS)
- All-in-one design, integrating camera, radar and supplement light
- Convenient debugging with 720P touch screen
- Speed detection ranged from 10 to 320 km/h
- Large storage capacity, up to 1 TB SSD
- Support speed detection with built-in radar
- Support license plate recognition (LPR)
- Dismountable built-in lithium battery for power supply

▪ Specification

Camera	
Image Sensor	1.1" Progressive Scan CMOS
Max. Resolution	4112 × 3072
Min. Illumination	Color: 0.001 Lux @ (F1.4, AGC ON), B/W: 0.005 Lux @ (F1.4, AGC ON), 0 Lux with IR
Shutter Time	54 to 40000 μs
Day & Night	IR cut filter
Lens	
Lens Type	Fixed focal lens, 25 mm
Focal Length & FOV	25 mm, horizontal FOV 32.1°, vertical FOV 23.9°, diagonal FOV 40.3°
Focus	Auto
Aperture	F1.6
Illuminator	
Built-in Supplement Light Type	IR light
Light Bead	6
Built-in Supplement Light Range	Up to 50 m
Flashlight Control	Supports light control/time control
IR Wavelength	850 nm
Radar	
Working Frequency	24.05 to 24.25 GHz
Modulation Waveform	FMCW
Speed Measuring Range	10 to 320 km/h
Max. Detectable Targets	Up to 32
Speed Measuring Accuracy	± 2 km/h
Trigger Mode	Approaching direction, Leaving direction, Bidirection
Antenna Beam Width	35° × 16°
Coverage Lanes	Up to 3 lane(s)
Capture Rate	≥ 95%
Video	
Main Stream	50 Hz: 25 fps (4112 × 3072, 3296 × 2472, 3392 × 2008, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1600 × 1200, 1280 × 720) 60 Hz: 30 fps (4112 × 3072, 3296 × 2472, 3392 × 2008, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1600 × 1200, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 1600 × 1200, 1280 × 720, 704 × 576) 60 Hz: 30 fps (1920 × 1080, 1600 × 1200, 1280 × 720, 704 × 576)
Third Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 576)
Video Compression	Main stream: H.265/H.264/MJPEG,, Sub-stream: H.265/H.264/MJPEG,, Third 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	Main Profile

Network	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,SFTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IGMP,802.1X,QoS,IPv4/IPv6,UDP,SSL/TLS
Simultaneous Live View	Up to 6 channels
API	ISAPI,SDK,ISUP
User/Host	Up to 16 users
Security	Password protection,Complicated password,HTTPS encryption,IP address filter,Basic and digest authentication for HTTP/HTTPS,RTP/RTSP over HTTPS,Control timeout settings,Security audit log,802.1X authentication (EAP-PEAP, EAP-LEAP, EAP-MD5),TLS 1.3
Network Storage	Local storage,CVR,ANR
Web Browser	Chrome V61+, IE9 to IE11, Firefox V41+, Edge
Wireless (Wi-Fi)	
Encryption Mode	WPA-PSK/WPA2-PSK
Wi-Fi Protocol	IEEE 802.11b,IEEE 802.11g,IEEE 802.11n
Frequency Range	2.4 GHz to 2.4385 GHz
Channel Bandwidth	20/40 MHz
Modulation	802.11b: CCK(11,5.5Mbps),QPSK(2Mbps),BPSK(1Mbps), 802.11g: OFDM, 802.11n: OFDM
Transfer Rate	11b: up to 11 Mbps,11g: up to 54 Mbps,11n: up to 150 Mbps
Wireless Range	Up to 120 m (The performance varies based on actual environment.)
Antenna	1 antenna(s)
Wireless (Mobile Communication)	
Frequency	LTE FDD: Band 1/3/5/7/8/20/28 LTE TDD: Band 38./40/41 WCDMA/HSPA+: Band 1/5/8 TD-SCDMA: Band 34/39 GSM/GPRS/EDGE: 850/900/1800MHz
Standard	LTE-TDD,LTE-FDD,TD-SCDMA,EVDO,EDGE,GPRS,GSM,CDMA
SIM Card Type	Micro SIM
Image	
Image Settings	Saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable via client software.
Day/Night Switch	Auto/Scheduled/Triggered by alarm in
Image Enhancement	BLC, HLC, 3D DNR
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24-bit bmp format.
Supplement Detection (Satellite Positioning)	
Satellite Positioning	GPS
Interface	
Video Output	3 outputs for flashlight control
Ethernet Interface	1 RJ45 10M/100M/1000M Ethernet interface
USB	1 USB 3.0

Event	
Basic Event	HDD Error, network disconnected, IP address conflicted, vehicle detector exception, traffic light detector exception
Road Traffic and Vehicle Detection	
Trigger Mode	Radar trigger, Video trigger
Capture Speed Range	10 to 320 km/h
Coverage	Up to 3 lanes
Smart Function	License Plate Recognition
LPR Countries/Regions	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, 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, Myanmar, India, Mongolia, Cambodia, Laos, Bangladesh, Nepal, Sri Lanka, 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, Belgium, Luxembourg, Albania, Kosovo, Serbia, Romania, Montenegro, Denmark, Finland, Sweden, Slovenia, Portugal, Malta, Cyprus, Iceland, Liechtenstein, Bosnia and Herzegovina, Russian-Speaking Regions: Azerbaijan, Belarus, Kazakhstan, Lithuania, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Uzbekistan, Kyrgyzstan, Armenia, Turkmenistan, Tajikistan
Accuracy (Under recommended installation and lighting conditions)	Capture rate > 95%, LPR accuracy > 98%, Mistaken capture rate < 5%
No License Plate Detection	Supported
General	
Operating System	linux
Power	DC12V,max6.5A,max78W
Material	ADC12
Dimension	292 mm × 270.5 mm × 252.8 mm (11.50" × 10.65" × 9.95") (L × W × H)
Package Dimension	435 mm × 375 mm × 395 mm (17.13" × 14.76" × 15.55") (L × W × H)
With Package Weight	Approx. 11.54 kg (25.44 lb.)
Weight	Approx. 10.22 kg (22.53 lb.)
Storage Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Operating Condition	-30 °C to 70 °C (-22 °F to 158 °F). Humidity 95% or less (non-condensing)
Operating Condition	Temperature: -30 °C to +70 °C (-22 °F to +158 °F) Humidity: 90% or less (non-condensing)

General Function	Password protection,One-key reset,Three streams,Heartbeat, NTP time sync
Language	English
Approval	
RF	CE-RED:EN 301489-1 V2.2.3, EN 301489-3 V2.1.1, EN 301489-17 V3.2.4 , EN 301489-52 V1.2.1 , EN 300440 V2.1.1, EN 302288-2 V1.6.1
EMC	CE-EMC: EN 55032: 2015/A11:2020+A1:2020, EN IEC61000-3-2:2019/A1:2021, EN 61000-3-3:2013+A1:2019/A2:2021, EN 50130-4:2011 +A1: 2014
Safety	CB: IEC 62368-1:2014,CB: IEC 62368-1:2018,CE-LVD: EN 62368-1:2014+A11: 2017,CE-LVD: EN IEC 62368-1:2020 +A11:2020
Environment	CE-RoHS: 2011/65/EU,WEEE: 2012/19/EU,Reach: Regulation (EC) No 1907/2006
Protection	IK08: IEC 62262:2002,IP66: IEC 60529-2013

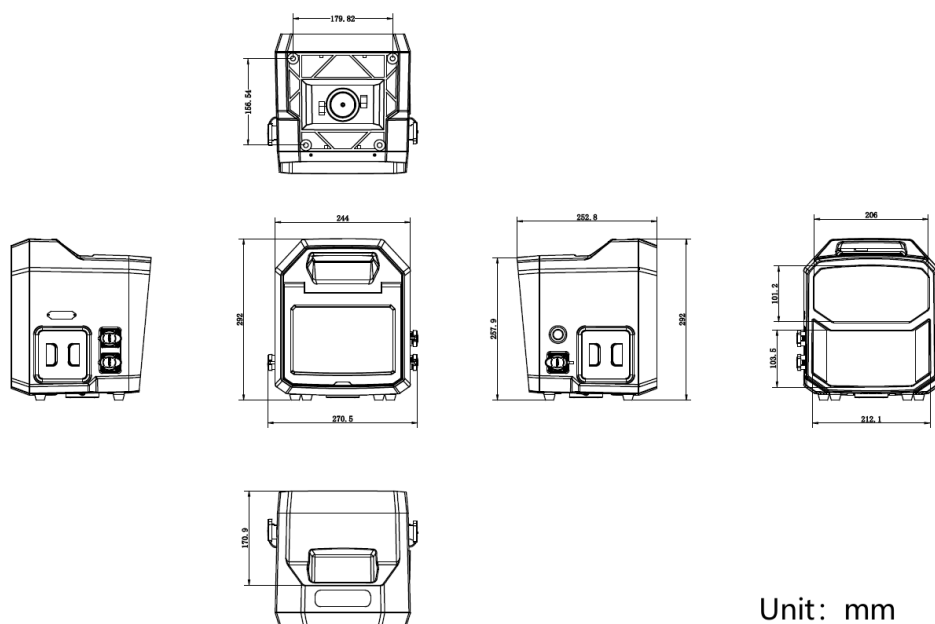
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension



See Far, Go Further



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