

DATASHEET TS 4MPX-ACCESS-W



SENSORE GLOBAL SHUTTER

CERTIFICAZIONI

Il costante impegno rivolto alla ricerca, allo sviluppo dei prodotti alla formazione del nostro personale ci permettono di realizzare sistemi innovativi, di utilizzare le tecnologie più moderne nonché di presentare ai nostri Clienti prodotti performanti ed affidabili.

Il risultato del nostro impegno ci ha permesso di ottenere importanti certificazioni Aziendali e di prodotto a testimonianza degli standard adottati e dei risultati ottenuti.



**Servizio SaaS qualificato sul
CLOUD MARKETPLACE ACN**



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1. TS 4MPX-ACCESS-W

• TELECAMERA PER LETTURA TARGHE E APERTURA VARCO CARRABILE

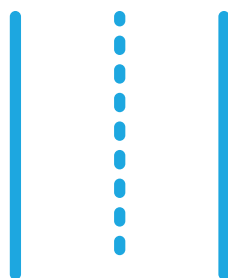
TS 4MPX-ACCESS-W è stata progettata e realizzata utilizzando le più moderne tecnologie disponibili sul mercato, testata per garantirne le migliori prestazioni in qualsiasi condizione d'uso.

Si pone come prodotto di riferimento sul mercato per le complete funzionalità disponibili e l'ottima qualità delle immagini in orario diurno e notturno.



• SINGOLA CORSIA

Lettura targhe su singola corsia di marcia.



Fino a
1 corsia

• GARANZIA 5 ANNI

A garanzia dell'elevata qualità della telecamera

**GARANZIA
5 ANNI**

Oltre
98%
di letture corrette

Fino a
50°
Angolo di lettura



Cattura Colore



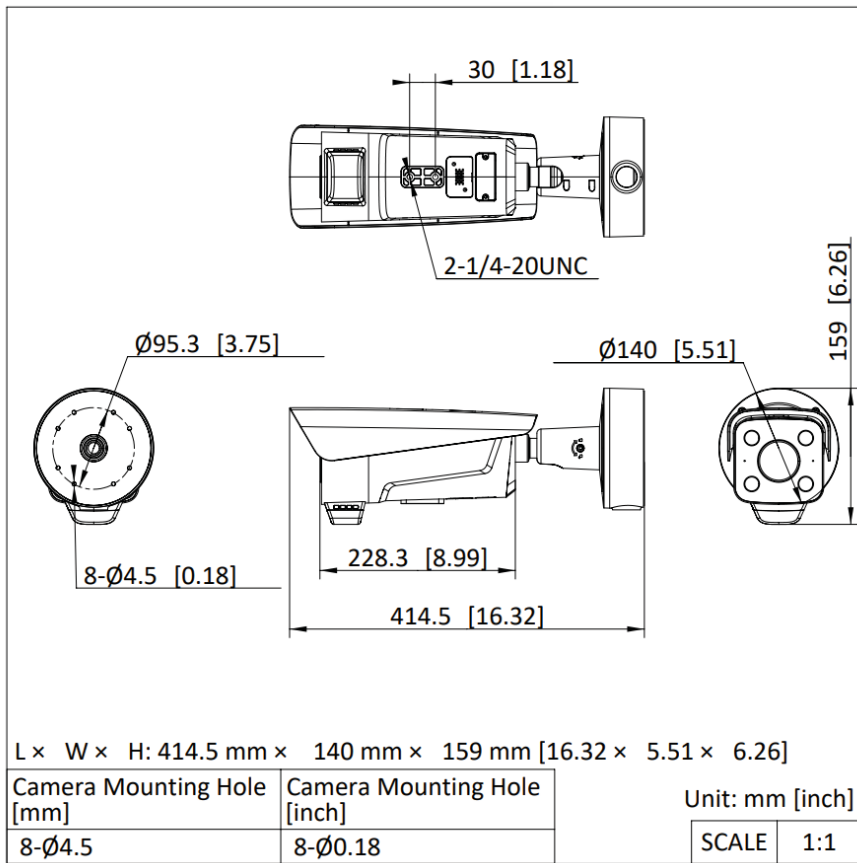
Catalogazione brand veicoli

SENSORE
GLOBAL SHUTTER

2. SPECIFICHE TECNICHE

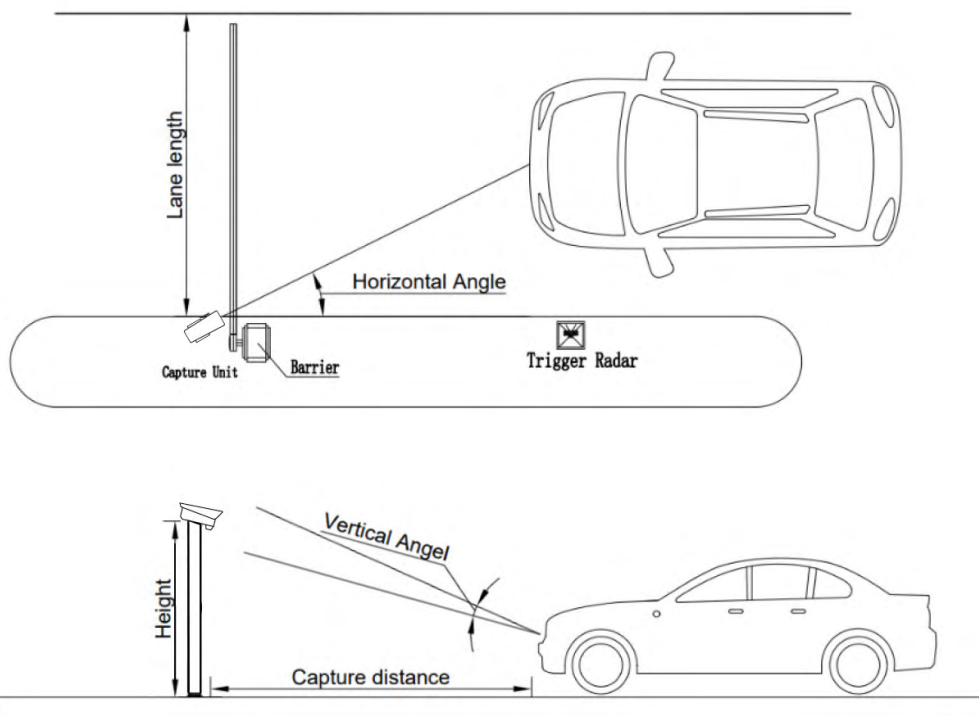
- Risoluzione 4 MPX
- Catalogazione della Tipologia e Colore del veicolo
- Memoria Espandibile con MicroSD fino a 1TB
- Led IR integrati nella telecamera
- Lettura free flow o con collegamento a dispositivi esterni
- Registrazione flusso video RTSP
- Interfaccia per configurazione e visione transiti
- Caricamento su memoria interna di Black list e White list
- Global shutter CMOS a scansione progressiva da 1/1,8"
- Viene utilizza la tecnologia GMOS per garantire un'eccellente qualità delle immagini e un'elevata velocità di riconoscimento, anche in caso di pioggia o scarsa illuminazione
- Efficiente controllo degli accessi con intervalli di riconoscimento adattabili
- Risoluzione fino a 2688 × 1520 con video real-time
- Led stroboscopiche integrate, in grado di annullare i riflessi causati dai fari del veicolo
- Sensore di temperatura e umidità integrato e vetro autoriscaldante per evitare l'appannamento
- Supporta l'uscita relè per controllare un cancello/sbarra per l'ingresso dei veicoli
- **L'interfaccia Wiegand** supporta il videocitofono e controllo degli accessi
- Supporta loop triggering, radar triggering, e video triggering
- Supporta il controllo del cancello a barriera in modalità allowlist anche se il dispositivo è offline
- Adotta un algoritmo di regolazione dell'esposizione per adattarsi alla luce dei fari anteriori/posteriori dei veicoli per migliorare la precisione dell'LPR
- Dotato di algoritmo di rilevamento del passaggio dei veicoli per mantenere aperto il cancello/sbarra durante il passaggio continuo dei veicoli e migliorare l'efficienza del passaggio
- Elevata durabilità nel tempo contro gli atti vandalici grazie alla robustezza del cabinet
- Rivestimento elettroforetico per la resistenza alla corrosione
- Installazione semplice grazie al design con montaggio su palo

3. INFO GENERALI



4. INSTALLAZIONE

Camera Lens	Height (m)	Suggested Vertical Angle	Suggested Trigger Distance (m)	Capture Range (m)	Coverage Width (m)
4mm	2~3	10°	3~6	1.5~12	3~5



5. DATI TECNICI

Remote Controller		TS 4MPX-ACCESS-W
Remote Controller Frequency	433 MHZ	
Remote Controller Capacity	10, 000	
Remote Controller Control Distance	30m	
Indicator Lights		
Indicator Color	Red, Green, Blue	
Working Mode	Constant on/Flashing	
Loudspeaker		
Loudspeaker Power	2W	
Lens		
Lens Type	2.8 to 12 mm 8 to 32 mm	
Aperture	2.8 to 12 mm: F1.4 to F2.5 8 to 32 mm: F1.7-F1.7	
Focal Length & FoV	2.8 to 12 mm, horizontal FoV: 114.5° to 41.8°, vertical FoV: 59.3° to 23.6°, diagonal FoV: 141.1° to 48°, 8 to 32 mm, horizontal FoV: 42.5° to 15.1°, vertical FoV: 23.3° to 8.64°, diagonal FoV: 49.6° to 17.3°	
Focus	Auto, Vari-focal lens, motor-driven lens	
Supplement Light		
Supplement Light Type	IR Light, Warm White Light	
Supplement Light Range	Video: 2.8 mm to 12 mm: 25 m 8 mm to 32 mm: 50 m Vehicle License Plate: 2.8 mm to 12 mm: 10 m 8 mm to 32 mm: 20 m	
IR Wavelength	Warm White Light 3000 K, IR Light 850 nm	
Capture Mode		
Trigger Type	Video Detection, I/O Coil, Radar Mixed Traffic	
Picture Type	Scene Picture, Scene Picture + Close-up Picture	
Scene Mode	Entrance & Exit Toll Gate, Underground Parking Entrance & Exit	
Capture Type	Strobe Light Mode	
Capture Parameters		
Image Format	JPEG	
Capture Resolution	2688 × 1520	
License Plate Recognition	Forward, Backward, Bidirection	
LED Control	Supports automatic light control/time control of LEDs	
Smart Recognition	ANPR, Motor Vehicle Feature, Vehicle Color Recognition, Enable Vehicle Manufacturer Recognition	
Capture Picture Overlay	Location, Capture Time, Plate Number, Capture No., Vehicle Color Vehicle Type	
Image		
WDR	140 dB	

Main Stream	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
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.
Image Parameters Switch	Yes
WDR Switch	On, Time, Brightness
Frame Rate	25 fps (P)/30 fps (N)
Entrance and Exit	
Barrier Gate Control Mode	By Camera/Platform/Mixed
Keep Boom Pole Open for Following Vehicle	Enable/Disable
Lock Barrier Gate for Large-Sized Vehicle	Yes
Relay Output	2-ch relay output, supporting opening and closing of barrier gates
Barrier Gate Status	None, Barrier Gate Close In Place, Barrier Gate Open In Place, Remote Control Open In Place
Allowlist and Blocklist	Up to 100,000 allowlist and blocklist totally
Video	
ROI	8 regions respectively for main stream and sub-stream, 6 levels for each region.
Video Compression	Main stream: H.265/H.264/MJPEG, Sub-stream: H.265/H.264/MJPEG,
H.264 Type	Low profile Medium profile High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Bit Rate Type	Constant, Variable
Scalable Video Coding (SVC)	H.265 and H.264 encoding
Network	
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR) together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Protocol	TCP/IP, ICMP, HTTP, HTTPS, FTP Upload Picture, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, SNMP, IGMP, QoS, IPv6, UDP, SSL/TLS, WebSocket
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK, ISUP, Otap, Guarding Vision Platform
Client	Hik-Connect, Hik-Central, SDKdemo, PMS
Web Browser	Plug-in required live view: IE10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local service: Chrome 41.0+, Firefox 30.0+
Security	Password protection, complicated password, HTTPS encryption, watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2

CAMERA		TS 4MPX-ACCESS-W
Max. Resolution	2688 × 1520	
Sensor Type	1/1.8" Progressive Scan CMOS	
Min. Illumination	Color: 0.0005 Lux @ (F1.2, AGC ON) B/W: 0.0001 Lux @ (F1.2, AGC ON) 0 Lux with IR	
Shutter	1/30 s to 1/100,000 s	
Day/Night Switch	Supported	
IR Cut Filter	IR cut filter Blue glass module to reduce ghost phenomenon	
Interface		
Audio	2 MIC	
Alarm Input	3-ch triggered inputs	
Alarm Output	2-ch alarm output	
Wiegand	Supported: CardID 26bit, SHA-1 26bit, Hik 34bit, NEWG 72bit	
RS-485	2-ch RS-485 serial port	
Network Interface	1 RJ45 10M/100M self-adaptive Ethernet port	
Memory Card Slot	1 TF card slot, up to 1 TB	
Smart Function		
LPR Accuracy	Accuracy (Under recommended installation and lighting conditions): License plate recognition rate ≥98.5% Capture rate ≥99% Driving direction accuracy rate ≥98%	
Vehicle Type Recognition	Car/Van/Bus/Truck/Light Truck/SUV_MPV/Pickup/Pedestrian/Motorcycle/Tri cycle	
Vehicle Color	Red, Yellow (including orange, golden), Green, Cyan, Blue, Purple, Pink, Brown, White, Gray (including silver), Black	
Vehicle Brand	84 manufacturers: Hyundai, Toyota, KIA, Honda, Volkswagen, Benz, Nissan, Ford, Isuzu, BMW, Chevrolet, Mitsubishi, Renault, Opel, Suzuki, Skoda, Daewoo, Audi, Mazda, GAC HINO, Peugeot, SsangYong, Citroen, Fiat, Scania, MAN, Volvo, Lexus, Seat, Land Rover, Daihatsu, Dongwo, 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, Guangzhou Yunbao, Joylong, Geely, Cadillac, JBC, An'kai, Haima, Foton, King Long, Dongfeng, Geely-Emgrand, Perodua, UD, BYD, Renault Samsung, Proton, HICOM, Malaysia_Unknown 1, Hyundai-Rohens, SsangYong-Old Version, Equus-Old Version, CNHTC, Rolls-Royce, Beiben Truck, Haval, Hino, Kia-Borrego, Chang'an, Alfa, FORO	
ANPR Supported Country/Region	6 areas (Asia, Africa, America, Europe, Oceania, Russian-Speaking Regions) and more than 130+ countries/regions (Statistical quantity includes baseline version and customized version.) Asia: Hong Kong(China), Macau(China), Taiwan(China), Japan, South Korea, Mongolia, Indonesia, Myanmar, Vietnam, the Philippines, Thailand, Laos, Cambodia, Malaysia, Singapore, Pakistan, Sri Lanka, Nepal, India, Bangladesh, Qatar, Kuwait, Oman, Saudi Arabia, Bahrain, Lebanon, Jordan, Iraq, United Arab Emirates, Dubai, Fujairah, Al Ain, Abu Dhabi, Ajman, Sharjah, Umm Al Qwain, Yemen Africa: Egypt, Libya, Tunisia, Algeria, Morocco, Nigeria, Senegal, Ivory Coast, Ghana, Kenya, Tanzania, Uganda, Ethiopia, South Africa, Namibia, Zimbabwe, Zambia, Cameroon, Angola, Mauritius, Sierra Leone America: Canada, Mexico, Panama, Costa Rica, El Salvador, Guatemala, Trinidad and Tobago, Dominican Republic, Argentina, Brazil, Chile, Colombia, Peru, Ecuador, Paraguay, Uruguay, Bolivia, Venezuela, Suriname Europe: Italy, Spain, Portugal, Greece, Croatia, Slovenia, Montenegro, Albania, the Republic of North Macedonia, Serbia, Bosnia and Herzegovina, Bulgaria, Romania, Malta, San Marino, Andorra, Germany, Poland, Czech Republic, Slovakia, Hungary, Austria, Switzerland, Liechtenstein, France, the UK, Ireland, Netherlands, Belgium, Luxembourg, Sweden, Denmark, Finland, Iceland, Lithuania, Israel, Palestine, Kosovo, Cyprus, Turkey Oceania: Australia, New Zealand Russian-Speaking Regions: Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Azerbaijan, Georgia, Estonia, Latvia, Russia, Ukraine, Moldova, Armenia, Turkmenistan, Belarus	
Approval		
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EEN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014); KC (KN 32: 2015, KN 35: 2015)	
Security	CB (IEC 62368-1: 2014 + A11); CE-LVD (EN 62368-1: 2014/A11: 2017); BIS (IS 13252 (Part 1): 2010/IEC 60950-1: 2005);	
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)	

General	
Power Supply	DC 12-DC 24 V 1.25 A /PoE (802.3at,44 V to 57 V),350 mA to 270 mA
Working Consumption	15 W Max
Dimensions	415 mm × 145 mm × 145 mm (16.34 × 5.71 × 5.71 inch)
Protection	IP68 (IEC 60529:2013)
Weight	3.25 kg (7.17 lb.)
Weight (with Package)	4.3 kg (9.48 lb.)
Package Size	456 mm × 206mm × 233 mm (17.95 × 8.11 × 9.17 inch)
Storage Conditions	Temperature: -30 °C to 70 °C (-22 °F to 158 °F) Humidity: 95% (non-condensing)
Startup and Operating Conditions	Temperature: -30 °C to 65 °C (-22 °F to 158 °F) Humidity: 95% (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian

Targa System S.r.l.

Sede legale:

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Sede operativa:

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