

HIKVISION®

TCM403 Urban Road ANPR Camera

Urban traffic mastery with AI-enhanced ANPR monitoring

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High ANPR precision for accurate urban road monitoring



Customizable lighting options for better night visibility



AI algorithms for efficient incident detection and flow analysis



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HIKVISION®

Product Highlights

- **High-accuracy ANPR**

Achieves 98%+ accuracy, captures license plates at speeds up to 120km/h, and supports plate recognition for 124 countries
- **Advanced AI algorithms**

Conducts thorough traffic flow analysis, and detects incidents such as speeding, lane changes, stopped vehicle, wrong-way driving, etc.,
- **Versatile lighting options**

Offers integrated supplement lighting and compatibility with various external options, extending max ANPR distance to 50 m
- **Radar-video fusion upgrade available**

Enables accurate detection of speed under all lighting and weather conditions when connected with radar



iDS-TCM403-BI(G)
iDS-TCM403-BI(G)/G
iDS-TCM403-GIR

+



DS-TL2002C(I) DS-TL2000C(I)

Supplement lighting recommendations
Suited for roads lacking illumination

Max **50m** ANPR coverage,
day/night, across **3 lanes**

Specifications

Capture Unit Specifications			
Camera models	iDS-TCM403-BI(G)	iDS-TCM403-BI(G)/G	iDS-TCM403-GIR
Resolution	2688 × 1520		
Min. illumination	Color: 0.0005 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON)		
Lens optional	2.8-12mm, 8-32mm, 10-50mm	8-32mm	2.8-12mm, 8-32mm
Power	DC 12 V to 24 V, PoE: 802.3at		
4G & GPS	/	✓	/
Radar	/	/	✓
Anti-corrosion	Anti-corrosion models selectable		
Recommended Supplement Light Specifications			
Supplement light models	DS-TL2000CI	DS-TL2002C	DS-TL2002CI
Light type	IR light	White light	IR light
IR wavelength	≥850 nm	/	≥850 nm
Lamp beads	16	28	28
Power	AC 200 V ±20%, 0.15 A, max. 30 W	AC 220 V ±20%, 0.3 A, max. 60 W	AC 220 V ±20%, 0.3 A, max. 60 W
Coverage	Up to 3 lanes		

Product Showcase



High Performance CMOS Camera

- 4 MP (1/1.8° CMOS), 2688 × 1520 resolution
- Color: 0.0005 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON), 0 Lux with IR
- Coverage: Up to 3 lanes
- Capture Speed Range: 5 to 120 km/h

Built-in 4G & GPS Module (iDS-TCM403-BI(G)/G)

- Facilitates easy and efficient deployment

Adjustable Shield

- Provides protection from severe weather conditions



iDS-TCM403-BI(G)
iDS-TCM403-BI(G)/G (*Built -in 4G & GPS)

iDS-TCM403-GIR

Built-in Supplement Light

- IR light/white light
- Supplement Light Range: Up to 50 m
- Three 30-degree fill lights that cover up to three lanes

Anti-Corrosion Protection (*optional)

- NEMA 4X Anti-Corrosion Protection: Ensures stability and safety

High Frequency Radar

- 77GHz radar
- Multi-Target Detection: Max. 128 targets
- Detection Distance: 20 to 50 m
- Speed Measuring Range: 10 to 100 km/h

Software Suite

Select lightweight or professional-grade software suitable for SMBs, vertical industries, or security professionals



HikCentral Professional



Hik-Connect



Hik-Partner Pro

Enjoy flexible on-site and remote management for various traffic scenarios, supporting:



Vehicle snapshot capture



License plate list administration



Incident evidence gathering