



PRODUCT QUICK GUIDE

E&E AND PARKING GUIDANCE SYSTEM

January–June 2023

HIKVISION®

E&E and Parking Guidance System

- 003** Entrance & Exit Management System
- 012** Video Parking Guidance System
- 017** On-Street Parking Management System



E&E and Parking Guidance System

At entrances and exits, Hikvision's ANPR Cameras automatically recognize a vehicle's plate number and display it on the control center screen. The Authorized List function with barrier integration enables quick and fluid passing of registered vehicles, preventing congestion at entrances and exits and improving traffic efficiency. The Parking Guidance System combines deep learning algorithms, video monitoring, and information dissemination technologies to give drivers dynamic, real-time information about parking availability within controlled bays. The system helps drivers find the closest parking spaces available. Then, by simply entering their plate number in full or in part, the vehicle can be easily located on the floor map as well as the best route to it.



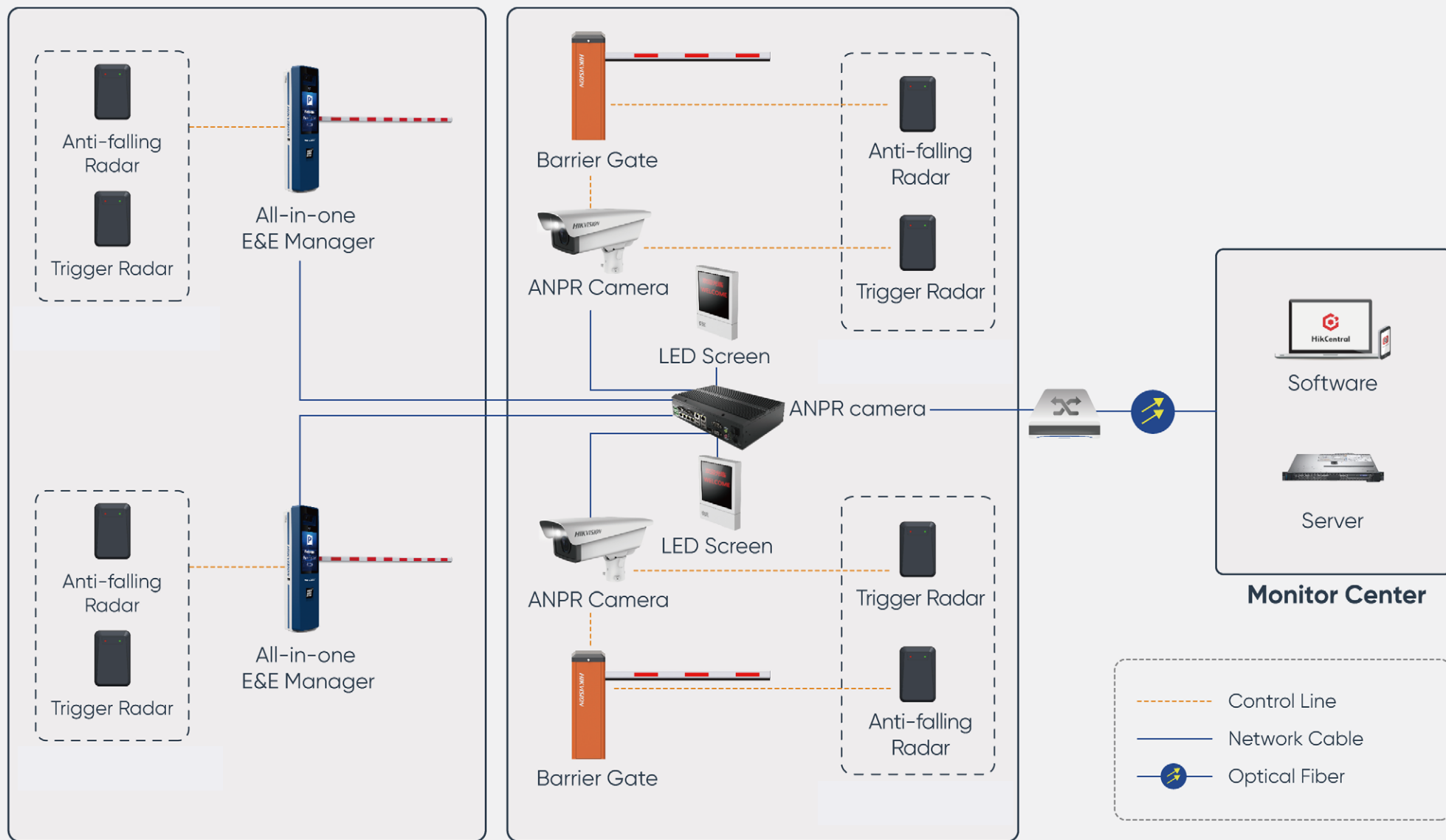


E&E and Parking Guidance System

Entrance & Exit Management System

Hikvision's E&E Cameras automatically recognize a vehicle's plate number and display it on the Control Center screen. The Authorized List function with barrier integration enables fluid and quick entering and exiting of registered vehicles and can be modified easily according to requirements.

- Embedded ANPR with AI
- Anti-glare, high-quality images at night in spite of high beam headlights
- Open protocol for integration
- Easier installation
- Robust design – Free from environmental influences including light, dust, rain and snow
- Safety sensor radar ensures the barrier remains open when a passageway is not clear





Entrance & Exit Video Unit

| Model | DS-TC6405-E | DS-TC6406-E | DS-TMC403-E |
|----------------------|---|---|---|
| Image |  |  |  |
| |  |  | |
| Image Sensor | 1/3" Progressive Scan CMOS | 1/1.8" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.022 Lux@ (F1.2, AGC ON) B/W: 0.011 Lux@ (F1.2, AGC ON) | Color: 0.0005 Lux @ (F1.2, AGC ON) B/W: 0.0001 Lux @ (F1.2, AGC ON) 0 Lux with IR | Color: 0.022 Lux@ (F1.2, AGC ON) B/W: 0.011 Lux@ (F1.2, AGC ON) |
| Shutter Speed | 1/30 s to 1/100,000 s | 1/30 s to 1/100,000 s | 1/30 s to 1/100,000 s |
| Lens | 3.1 mm to 6mm | 2.8 mm to 12 mm / 8 mm to 32 mm | 3.1 mm to 6 mm |
| Auto Iris | DC drive | DC drive | DC drive |
| IR Cut Filter | Supproted | Supproted | Supproted |
| Video Compression | H.265, H.264, MJPEG | H.265, H.264, MJPEG | H.265, H.264, MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps |
| Max. Resolution | 2688 × 1520 | 2688 × 1520 | 2688 × 1520 |
| Frame Rate | 25 fps (P)/30 fps (N) | 25 fps (P)/30 fps (N) | 25 fps (P)/30 fps (N) |
| Image Setting | saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable by software | saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable by software | saturation, brightness, contrast, white balance, gain and 3D DNR are adjustable by software |
| Picture Format | JPEG with configurable quality | JPEG with configurable quality | JPEG with configurable quality |
| Smart Recognition | ANPR Vehicle type, color, brand recognition | ANPR Vehicle type, color, brand recognition | ANPR Vehicle type, color, brand recognition |
| Protocols | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP Upload Pictures |
| Security | User Authentication, Heartbeat, NTP | User Authentication, Heartbeat, NTP | User Authentication, Heartbeat, NTP |
| Communication | 1 RJ45 10 M/100 M Ethernet port | 1 RJ45 10 M/100 M/1000 M Ethernet port | 1 RJ45 10 M/100 M/1000 M Ethernet port |
| Built-in LED light | 2 built-in LED lights (White/IR switched) | 2 built-in LED lights (White/IR switched) | 9 |
| Audio | 1-ch audio output | 1-ch audio output | 1-ch audio output |
| Memory Card Slot | 1 TF card slot, up to 128 GB | 1 TF card slot, up to 512 GB | NA |
| Operating Conditions | Linux | Linux | Linux |
| Working Temperature | -25 °C to +70 °C (-13 °F to +158 °F) | -25 °C to +70 °C (-13 °F to +158 °F) | -25 °C to +70 °C (-13 °F to +158 °F) |
| Working Humidity | 90% or less (non-condensing) | 90% or less (non-condensing) | 90% or less (non-condensing) |
| Power Supply | 100 to 240 VAC/12 V PoE | 100 to 240 VAC/12 V PoE | 220 VAC |
| IP | IP67, IK10 | IP67, IK10 | IP67, IK10 |
| Power Consumption | 22 W MAX | 22 W MAX | 35 W |


Entrance & Exit Controller

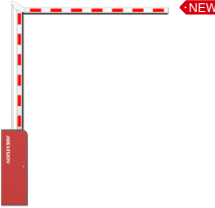
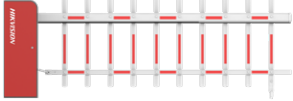

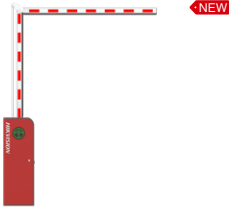
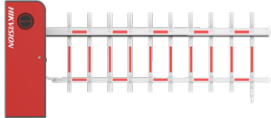
| Model | DS-TMT201 | DS-TMT202 |
|----------------------------|---|---|
| Image |  |  |
| |  |  |
| Application | Entrance | Exit |
| Operation System | Embedded Linux operating system | Embedded Linux operating system |
| Operation Interface | WEB | WEB |
| Indicator | 12 V power supply indicator | 12 V power supply indicator |
| Audio Input | 1-ch | 1-ch |
| Audio Output | 1-ch | 1-ch |
| Alarm Input | 3-ch | 3-ch |
| Alarm Output | 3-ch | 3-ch |
| Barrier Interface | 1-ch | 1-ch |
| Card Reader Interface | 1-ch | 1-ch |
| Vehicle Detector Interface | 1-ch | 1-ch |
| RS-232 Interface | 2-ch | 2-ch |
| RS-485 Interface | 1-ch | 1-ch |
| USB Interface | 1-ch | 1-ch |
| Network Interface | 1-ch, 1000 M | 1-ch, 1000 M |
| Thermal Paper | Width: 58 mm, thickness o a roll of paper: ≤ 150 mm | Width: 58 mm, thickness o a roll of paper: ≤ 150 mm |
| Number of Ticket | Approx. 1000 (related to the thickness of ticket paper) | Approx. 1000 (related to the thickness of ticket paper) |
| Display | 10.1 inch LCD, 1024 × 600 | 10.1 inch LCD, 1024 × 600 |
| Display Dimension (W × H) | 222.72 × 125.28 mm (8.8 × 4.9 inch) | 222.72 × 125.28 mm (8.8 × 4.9 inch) |
| Power Supply | 100 to 240 VAC | 100 to 240 VAC |
| Consumption | 50 W | 50 W |
| Device Dimension | 1236 × 230 × 248 mm (48.7 × 9.1 × 9.8 inch) | 1236 × 230 × 237.5 mm (48.7 × 9.1 × 9.4 inch) |
| Working Temperature | -25 °C to +75 °C (-13 °F to +167 °F) | -25 °C to +75 °C (-13 °F to +167 °F) |
| Working Humidity | 10% to 90% | 10% to 90% |


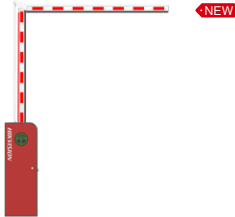
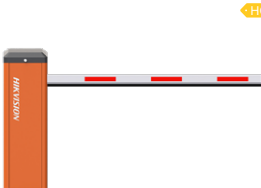

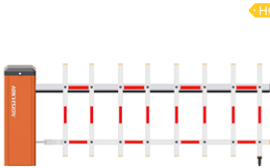
Entrance & Exit Radar


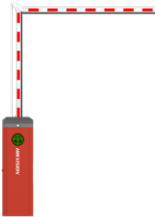
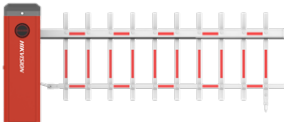

| Model | DS-TM6035(Capture-trigger) | DS-TM6035(Anti-fall) |
|------------------------------|---|---|
| Image |  |  |
| Transmitting Frequency (GHz) | 79 / 60 | 79 / 60 |
| Transmitting Power (mW) | ≤ 10 | ≤ 10 |
| Beam Width | Vertical 36°, Horizontal 18° | Vertical 18°, Horizontal 36° |
| Response Time (ms) | 50 | 50 |
| Trigger Distance (m) | 6 [Programmable] | 6 [Programmable] |
| Detection Area (m) | Horizontal width: 2 | Horizontal width: 2 |
| Detection Target | Vehicle | Vehicle and pedestrian |
| Area Vehicle Following | Distinguish following distance of vehicle: 0.5 m | N/A |
| Online Debugging | Serial port debugging | Serial port debugging |
| Online Upgrade | Serial port upgrade | Serial port upgrade |
| Working Voltage (VDC) | 9 to 12 | 9 to 12 |
| Working Current (A) | < 0.25 | < 0.25 |
| Consumption (W) | < 3 | < 3 |
| Working Temperature | -40 °C to +85 °C [-40 °F to +185 °F] | -40 °C to +85 °C [-40 °F to +185 °F] |
| Dimensions (L × W × H) | 90 × 60 × 29 mm [3.5 × 2.4 × 1.1 inch] | 90 × 60 × 29 mm [3.5 × 2.4 × 1.1 inch] |
| Weight | <350 g (0.80 lb) | <350 g (0.80 lb) |



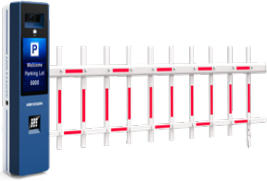
Entrance & Exit Barrier Gate

| Model | DS-TM64B0 | DS-TM64B1 | DS-TM6420 |
|--------------------------|---|---|---|
| Image |  |  |  |
| Material | CRS [Cold Rolled Steel] | CRS [Cold Rolled Steel] | CRS [Cold Rolled Steel] |
| Boom Pole Height | 890 mm | 890 mm | 880 mm |
| Material Thickness | 1.5 mm | 1.5 mm | 2.0 mm |
| Metal Door Thickness | 1.2 mm | 1.2 mm | 1.5 mm |
| Color | Black background and silver pattern | Black background and silver pattern | Orange |
| Surface Protection | Stoving varnish | Stoving varnish | Outdoor powder spraying |
| Induction | Supported | Supported | Supported |
| IR | Supported | Supported | Supported |
| Indicator | / | / | / |
| Controller | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop |
| Working Temperature | -30 °C to +70 °C [-22 °F to +158 °F] | -30 °C to +70 °C [-22 °F to +158 °F] | -30 °C to +70 °C [-22 °F to +158 °F] |
| Ingress Protection | IP54 | IP54 | IP54 |
| Remote Control Frequency | 430.5 MHz | 430.5 MHz | 433 MHz |
| Design Life | 2,500,000 | 2,500,000 | 2,500,000 |
| Weight | 41 kg [90.4 lb.] | 41 kg [90.4 lb.] | 60 ± 5 kg [132.3 ± 11.0 lb.] |
| Package Dimension | 380 × 325 × 1,085 mm [15.0 × 12.8 × 42.7 inch] | 380 × 325 × 1,085 mm [15.0 × 12.8 × 42.7 inch] | 1,060 × 370 × 262 mm [41.7 × 14.6 × 10.3 inch] |
| Power Supply | 220 VAC ± 15 % | 220 VAC ± 15 % | 220 VAC ± 10% |
| Consumption | 60 W | 60 W | 250 W |
| Rising Speed | 3 m: 3 s 4 m: 3 s 6 m: 6 s | 3 s | 2 m: 0.6 s 3 m: 0.9 s 4 m: 1.5 s |
| Falling Speed | 3 m: 3 s 4 m: 3 s 6 m: 6 s | 3 s | 2 m: 2 s 3 m: 3 s 4 m: 3.5 s |
| Max. Boom Pole Length | 3/4/6 m | 4[2+2] m | 3/4/6 m |
| Type | Straight boom pole | Curved boom pole | Straight boom pole |
| Electric Current | 1 A | 1 A | 1.5 A |

| Model | DS-TM6420 | DS-TM6423 | DS-TM6420/B | DS-TM6421/B | DS-TM6423/B |
|--------------------------|--|--|--|--|--|
| Image |  NEW |  NEW |  NEW |  NEW |  NEW |
| Material | CRS (Cold Rolled Steel) | CRS (Cold Rolled Steel) | CRS (Cold Rolled Steel) | CRS (Cold Rolled Steel) | CRS (Cold Rolled Steel) |
| Boom Pole Height | 880 mm | 882 mm | 883 mm | 884 mm | 885 mm |
| Material Thickness | 2.0 mm | 2.2 mm | 2.3 mm | 2.4 mm | 2.5 mm |
| Metal Door Thickness | 1.5 mm | 1.5 mm | 1.5 mm | 1.5 mm | 1.5 mm |
| Color | Orange | Orange | Orange | Orange | Orange |
| Surface Protection | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying |
| Induction | Supported | Supported | Supported | Supported | Supported |
| IR | Supported | Supported | Supported | Supported | Supported |
| Indicator | / | / | Arrow Indicator | Arrow Indicator | Arrow Indicator |
| Controller | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop |
| Working Temperature | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) |
| Ingress Protection | IP54 | IP54 | IP54 | IP54 | IP54 |
| Remote Control Frequency | 433 MHz | 433 MHz | 433 MHz | 433 MHz | 433 MHz |
| Design Life | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 | 2,500,000 |
| Weight | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) |
| Package Dimension | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) |
| Power Supply | 220 VAC ± 10% | 220 VAC ± 10% | 220 VAC ± 10% | 220 VAC ± 10% | 220 VAC ± 10% |
| Consumption | 250 W | 250 W | 250 W | 250 W | 250 W |
| Rising Speed | 2 m: 0.6 s 3 m: 0.9 s 4 m: 1.5 s | 3 s | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s | 1.5 s | 3 s |
| Falling Speed | 2 m: 2 s 3 m: 3 s 4 m: 3.5 s | 6 s | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s | 3.5 s | 6 s |
| Max. Boom Pole Length | 3/4/6 m | 4 m | 3/4/6 m | 4(2+2) m | 4 m |
| Type | Straight boom pole | Fence boom pole | Straight boom pole | Curved boom pole | Fence boom pole |
| Electric Current | 1.5 A | 1.5 A | 1.5 A | 1.5 A | 1.5 A |

| Model | DS-TM6420/A/B | DS-TM6421/A/B | DS-TM6520 | DS-TM6521 | DS-TM6523 |
|--------------------------|---|--|---|---|---|
| Image |  |  |  |  |  |
| Material | CRS (Cold Rolled Steel) | CRS (Cold Rolled Steel) | SECC | SECC | SECC |
| Boom Pole Height | 886 mm | 886 mm | 880 mm | 880 mm | 880 mm |
| Material Thickness | 2.6 mm | 2.6 mm | 2.0 mm | 2.0 mm | 2.0 mm |
| Metal Door Thickness | 1.5 mm | 1.5 mm | 1.5 mm | 1.5 mm | 1.5 mm |
| Color | Orange | Orange | Orange | Orange | Orange |
| Surface Protection | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying |
| Induction | Supported | Supported | Supported | Supported | Supported |
| IR | Supported | Supported | Supported | Supported | Supported |
| Indicator | Arrow Indicator/ Strip Light | Arrow Indicator/ Strip Light | / | / | / |
| Controller | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop |
| Working Temperature | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) |
| Ingress Protection | IP54 | IP54 | IP54 | IP54 | IP54 |
| Remote Control Frequency | 433 MHz | 433 MHz | 433 MHz | 433 MHz | 433 MHz |
| Design Life | 2,500,000 | 2,500,000 | 5,000,000 | 5,000,000 | 5,000,000 |
| Weight | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) |
| Package Dimension | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,060 × 370 × 262 mm (41.7 × 14.6 × 10.3 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) |
| Power Supply | 220 VAC ± 10% | 220 VAC ± 10% | 220 VAC ± 15% | 220 VAC ± 15% | 220 VAC ± 15% |
| Consumption | 250 W | 250 W | 300 W | 300 W | 300 W |
| Rising Speed | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s | 1.5 s | 3 s |
| Falling Speed | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s | 3.5 s | 6 s |
| Max. Boom Pole Length | 3/4/6 m | 3/4/6 m | 3/4/6 m | 4(2+2) m | 4 m |
| Type | Straight boom pole | Curved boom pole | Straight boom pole | Curved boom pole | Fence boom pole |
| Electric Current | 1.5 A | 1.5 A | 1.5 A | 1.5 A | 1.5 A |

| Model | DS-TM6520/B | DS-TM6521/B | DS-TM6523/B | DS-TM6520/A/B |
|--------------------------|--|---|--|--|
| Image |  NEW |  NEW |  NEW |  NEW |
| Material | SECC | SECC | SECC | SECC |
| Boom Pole Height | 880 mm | 880 mm | 880 mm | 880 mm |
| Material Thickness | 2.0 mm | 2.0 mm | 2.0 mm | 2.0 mm |
| Metal Door Thickness | 1.5 mm | 1.5 mm | 1.5 mm | 1.5 mm |
| Color | Orange | Orange | Orange | Orange |
| Surface Protection | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying |
| Induction | Supported | Supported | Supported | Supported |
| IR | Supported | Supported | Supported | Supported |
| Indicator | Arrow Indicator | Arrow Indicator | Arrow Indicator | Arrow Indicator/ Strip Light |
| Controller | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop |
| Working Temperature | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) | -30 °C to +70 °C (-22 °F to +158 °F) |
| Ingress Protection | IP54 | IP54 | IP54 | IP54 |
| Remote Control Frequency | 433 MHz | 433 MHz | 433 MHz | 433 MHz |
| Design Life | 5,000,000 | 5,000,000 | 5,000,000 | 5,000,000 |
| Weight | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) | 60 ± 5 kg (132.3 ± 11.0 lb.) |
| Package Dimension | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) | 1,243 × 563 × 438 mm (48.9 × 22.2 × 17.2 inch) |
| Power Supply | 220 VAC ± 15% | 220 VAC ± 15% | 220 VAC ± 15% | 220 VAC ± 15% |
| Consumption | 300 W | 300 W | 300 W | 300 W |
| Rising Speed | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s | 1.5 s | 3 s | 3 m: 0.9 s 4 m: 1.5 s 6 m: 4 s |
| Falling Speed | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s | 3.5 s | 6 s | 3 m: 3 s 4 m: 3.5 s 6 m: 6 s |
| Max. Boom Pole Length | 3/4/6 m | 4(2+2) m | 4 m | 3/4/6 m |
| Type | Straight boom pole | Curved boom pole | Fence boom pole | Straight boom pole |
| Electric Current | 1.5 A | 1.5 A | 1.5 A | 1.5 A |

| Model | DS-TMC407-EHL/R | DS-TMC407-EHL/R | DS-TMC407-EHL/R |
|--------------------------|--|--|--|
| Image |  |  |  |
| Image Sensor | 1/3" Progressive Scan CMOS | 1/3" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Resolution | 2688 × 1520 | 2688 × 1520 | 2688 × 1520 |
| Min.Illumination | Color: 0.022 Lux @ (F2.0, AGC ON) B/W: 0.011 Lux @ (F2.0, AGC ON) | Color: 0.022 Lux @ (F2.0, AGC ON) B/W: 0.011 Lux @ (F2.0, AGC ON) | Color: 0.022 Lux @ (F2.0, AGC ON) B/W: 0.011 Lux @ (F2.0, AGC ON) |
| Shutter Speed | 1/30 s - 1/100,000 s | 1/30 s - 1/100,000 s | 1/30 s - 1/100,000 s |
| Lens | Vari-focal lens, motor-driven lens | Vari-focal lens, motor-driven lens | Vari-focal lens, motor-driven lens |
| Focal Length | 3.1 to 6 mm | 3.1 to 6 mm | 3.1 to 6 mm |
| Frame Rate | 25 FPS | 25 FPS | 25 FPS |
| Image Setting | Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser | Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser | Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser |
| Picture Format | JPEG with configurable quality | JPEG with configurable quality | JPEG with configurable quality |
| Smart Recognition | ANPR, vehicle type recognition, vehicle logo recognition, sub-brand recognition | ANPR, vehicle type recognition, vehicle logo recognition, sub-brand recognition | ANPR, vehicle type recognition, vehicle logo recognition, sub-brand recognition |
| Protocols | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP picture upload | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP picture upload | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP, FTP picture upload |
| Network Security | Heartbeat, password protection, NTP | Heartbeat, password protection, NTP | Heartbeat, password protection, NTP |
| Communication Interface | 2 RJ45 10 M/100 M self-adaptive Ethernet interfaces | 2 RJ45 10 M/100 M self-adaptive Ethernet interfaces | 2 RJ45 10 M/100 M self-adaptive Ethernet interfaces |
| Built-in LED light | 9 built-in LED lights (White/IR switched) | 9 built-in LED lights (White/IR switched) | 9 built-in LED lights (White/IR switched) |
| LCD Dimension | 21.5 inch | 21.5 inch | 21.5 inch |
| LCD Resolution | 1080 p | 1080 p | 1080 p |
| LCD Brightness | 1500 cd/m² | 1500 cd/m² | 1500 cd/m² |
| Speaker & Pickup | Built-in speaker and pickup, with emergency call button | Built-in speaker and pickup, with emergency call button | Built-in speaker and pickup, with emergency call button |
| Barrier Gate Type | Straight boom pole | Curved boom pole | Fence boom pole |
| Material | SECC | SECC | SECC |
| Boom Pole Height | 880 mm | 880 mm | 880 mm |
| Color | Blue | Blue | Blue |
| Surface Protection | Outdoor powder spraying | Outdoor powder spraying | Outdoor powder spraying |
| Induction | Supported | Supported | Supported |
| Controller | Rise/Fall/Stop | Rise/Fall/Stop | Rise/Fall/Stop |
| Working Temperature | -30 °C to +70 °C (-22 °F to +160 °F) | -30 °C to +70 °C (-22 °F to +160 °F) | -30 °C to +70 °C (-22 °F to +160 °F) |
| Ingress Protection | IP54 | IP54 | IP54 |
| Remote Control Frequency | 435 MHz | 435 MHz | 435 MHz |
| Design Life | 5,000,000 | 5,000,000 | 5,000,000 |
| Weight | 95 kg (209.4 lb.) | 95 kg (209.4 lb.) | 95 kg (209.4 lb.) |
| Power Supply | 220 VAC | 220 VAC | 220 VAC |
| Consumption | 350 W | 350 W | 350 W |
| Rising Speed | 0.9 s | 1.2 s | 2.5 s |
| Falling Speed | 4 s | 4 s | 6 s |
| Max. Boom Pole Length | 3/4 m | 2+2 m | 3/4 m |


Accessories

| Model | ESP-L1300-R117 | ESP-L1000/1300-R117 | ESP-L2500-X1300-R117 |
|-----------|---|---|---|
| Image |  |  |  |
| Height | 1.3 m | 1.3 m | 2.5 m |
| Color | Hikvision White | Hikvision White | Hikvision White |
| Material | wQ235 | Q235 | Q235 |
| Weight | 8350 g | 9480 g | 14350 g |
| Dimension | Diameter: 60 mm | Diameter: 60 mm | Diameter: 60 mm |

Entrance & Exit Control Terminal

| Model | DS-TPE100 | DS-TPE104 |
|-----------------------|---|---|
| Image |  |  Built-in PMS software |
| Interfaces | 4-ch Alarm Input 4-ch Alarm Output 1-ch VGA output Interface, 1-ch HDMI Interface 1-ch Audio Input Interface 1-ch Audio Output Interface 2-ch RS-232 Interfaces 2-ch RS-485 Interfaces 4-ch USB 3.0 Interfaces 5-ch 100 Mbps/1000 Mbps Self-Adaptive Interfaces, supporting connecting with switch 1-ch Independent 100 Mbps/1000Mbps Self-Adaptive Interface, supporting network isolation | 4-ch Alarm Input 4-ch Alarm Output 1-ch VGA output Interface, 1-ch HDMI Interface 1-ch Audio Input Interface 1-ch Audio Output Interface 2-ch RS-232 Interfaces 2-ch RS-485 Interfaces 4-ch USB 3.0 Interfaces 5-ch 100 Mbps/1000 Mbps Self-Adaptive Interfaces, supporting connecting with switch 1-ch Independent 100 Mbps/1000Mbps Self-Adaptive Interface, supporting network isolation |
| Operation System | Windows 10 | Windows 10 |
| PMS Software Function | N/A | Barrier gate control, parking fee calculation based on different rules, passing vehicle information collection, allow & block list management, available parking lots counting and so on |
| Connection | Number of Cameras: Maximum 4 | Number of Cameras: Maximum 4 |
| Memory | Memory: 4 GB | Memory: 4 GB |
| Storage | HDD: 2 T / 4 T | HDD: 2 T |
| Working Temperature | -10 °C to +70 °C (14 °F to 158 °F) | -20 °C to +70 °C (-4 °F to 158 °F) |

Entrance & Exit LED Display

| Model | DS-TVL224-4-5Y |
|--------------------------------|---|
| Image |  |
| Working Voltage | 220 VAC±10%, 50 Hz 110 VAC±10%, 60 Hz |
| LED Brightness | 1200 cd |
| LED Angle | 110° |
| Frame Material | Iron Frame Spraying Plastic (Dark armored glass for display part) |
| Installation Method | Hoop on the back |
| Speaker Specification | 4010W |
| Protection Grade | IP65 |
| Dot Pitch | P4.75 |
| Fundamental Color | 1 Red 1 Green |
| Downward Communication Methods | RJ45/RS485 |
| Display Method | Instant, Left Shift, Up Forward, etc. |
| Character Display | GB2312 Character Set, 16 × 16 Lattice Chinese Characters |
| 485 Communication Rate | RS485: 57600 bps |
| Communication Distance | RS485: 1200 m, RJ45: 120 m |
| Power Consumption | Max 50 W, Average 30 W |
| Display Size | 304 mm (Width) × 304 mm (Height) |
| Dimension | 364 × 484 × 60 mm (14.33 × 19.06 × 2.36 inch) |



E&E and Parking Guidance System

Video Parking Guidance System

The Video Parking Guidance Solution combines deep learning algorithms, video monitoring, and information dissemination technologies to give drivers dynamic, real-time information about parking availability within controlled bays. The system helps drivers find the closest parking spaces available. Safety and security are enhanced in large parking garages. In parking guidance camera system, by simply entering their plate number in full or in part, the vehicle can be easily located on the floor map as well as the shortest and best route to it.

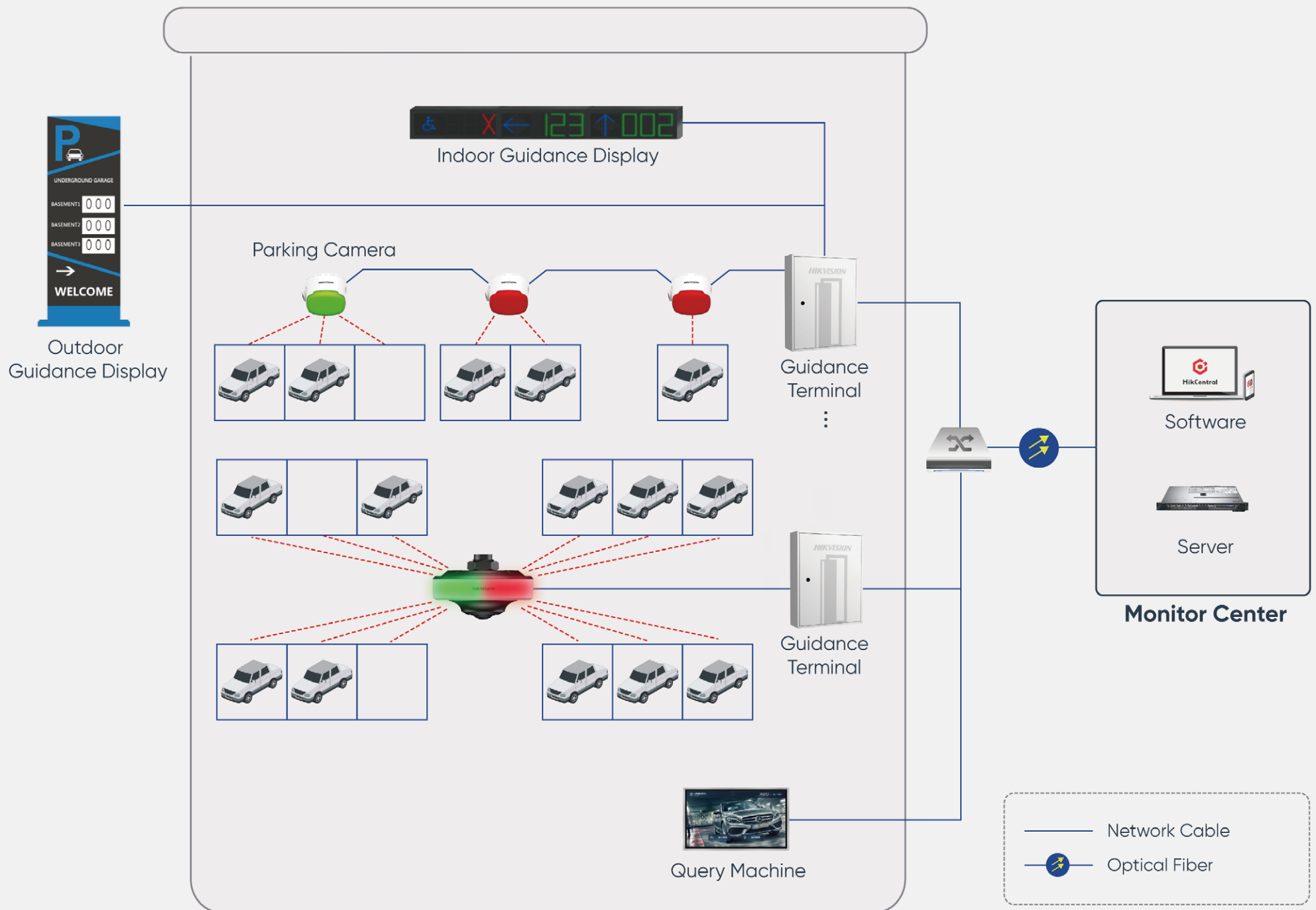
- The indicator light inside the parking guidance camera has seven configurable colors, allowing for dynamic indication of the purpose of the parking bay
- Up to 24-TB edge storage for video and images
- Video, images and data can be stored locally offline if disconnected from central management software, preventing loss of critical information, then automatically forwarded to the CMS upon reconnection
- By integrating an LED display panel at the entrance, all available parking resources and information can be easily displayed for customers
- Hand-by-hand cascaded connection for both power and network




Parking Guidance Camera System



- Embedded parking spaces detection & ANPR with AI

Parking Fisheye Camera System


- Embedded parking spaces detection with AI




| Model | DS-TCP140-B(E) | DS-TCP440-B(E) | DS-TCP440-DB(E) |
|-------------------------|--|---|---|
| Image |  |  |  |
| Indicator LED | In integrated mode, red, green, yellow, blue, cyan and magenta colors can be indicated; In separation mode, up to 3 external indicators which can indicate red, green, yellow, blue, cyan and magenta colors can be connected; Support indicator flickering. | | |
| Sensor | 1/2.7" CMOS | 1/3" CMOS | 1/3" CMOS |
| Min. Illumination | Color: 0.0165 Lux @ (F2.0, AGC ON) B/W: 0.0092 Lux @ (F2.0, AGC ON) | Color: 0.012 Lux @ (F2.0, AGC ON) B/W: 0.0062 Lux @ (F2.0, AGC ON) | Color: 0.012 Lux @ (F2.0, AGC ON) B/W: 0.0062 Lux @ (F2.0, AGC ON) |
| Shutter | 1 s to 1/100,000 s | 1 s to 1/100,000 s | 1 s to 1/100,000 s |
| Lens | 2.8 mm / 4 mm | 2.8 mm / 4 mm | 2.8 mm |
| Angle Adjustment | Vertical: 0° to 30° Horizontal: -30° to 30° | Vertical: 0° to 30° Horizontal: -30° to 30° | Vertical: 0° to 30° Horizontal: -30° to 30° |
| Video Compression | H.264/H.265/MJPEG | H.264/H.265/MJPEG | H.264/H.265/MJPEG |
| Output Bit Rate | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps |
| Max. Resolution | 1280 × 1024 | 2560 × 1440 | 2560 × 1440 × 2 |
| Frame Rate | 30 fps (1280 × 1024) | 30 fps (NI)/25 fps (P) | 15 fps (NI)/15 fps (P) |
| Image Settings | Brightness, contrast, saturation, etc. can be adjusted via client or IE browser. | Brightness, contrast, saturation, etc. can be adjusted via client or IE browser. | Brightness, contrast, saturation, etc. can be adjusted via client or IE browser. |
| Backlight Compensation | Support; Areas can be selected. | Support; Areas can be selected. | Support; Areas can be selected. |
| Storage | NAS (iSCSI optional) Local storage: guidance terminal HDD | NAS (iSCSI optional) Local storage: guidance terminal HDD | NAS (iSCSI optional) Local storage: guidance terminal HDD |
| Protocol | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional) | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional) | TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS (SIP, SRTP and IPv6 optional) |
| General Functions | Flashing filter, dual-stream, heartbeat, mirror, password protection, privacy mask, watermark, NTP time synchronization | Flashing filter, dual-stream, heartbeat, mirror, password protection, privacy mask, watermark, NTP time synchronization | Flashing filter, dual-stream, heartbeat, mirror, password protection, privacy mask, watermark, NTP time synchronization |
| Communication Interface | 2, RJ45 10 M/100 M self-adaptive Ethernet interface; 1, power interface; 3, external indicator interface (for -K model) | 2, RJ45 10 M/100 M self-adaptive Ethernet interface; 1, power interface | 2, RJ45 10 M/100 M self-adaptive Ethernet interface; 1, power interface; 3 × external indicator interface |
| iBeacon | Standard iBeacon protocol | Standard iBeacon protocol | Standard iBeacon protocol |
| Working Temperature | -20 °C to +50 °C (-4 °F to 122 °F) | -20 °C to +50 °C (-4 °F to 122 °F) | -20 °C to +50 °C (-4 °F to 122 °F) |
| Working Humidity | < 95 % (no condensation) | < 95% (no condensation) | < 95 % (no condensation) |
| Power Supply | Hikvision PoE, or 12 to 24 VDC wide-range voltage | Hikvision PoE, or 12 to 24 VDC wide-range voltage | Hikvision PoE, or 12 to 24 VDC wide-range voltage |
| Consumption | 6.5 W MAX | 6.5 W MAX | 10 W MAX |
| Dimensions | 170 × 120 × 104 mm (6.7 × 4.7 × 4.1 inch) | 170 × 120 × 104 mm (6.7 × 4.7 × 4.1 inch) | 184 × 120 × 104 mm (7.2 × 4.7 × 4.1 inch) |
| Weight | 500 g (1.1 lb) | 500 g (1.1 lb) | 500 g (1.1 lb) |

| Model | DS-TCP506-EP | DS-TCPC06-EP |
|------------------------------|--|---|
| Image |  |  |
| Indicator LED | In integrated mode, red, green, yellow, blue, cyan and magenta colors can be indicated | |
| Sensor | 1/2.7" CMOS | 1/1.7" CMOS |
| Min. Illumination | Color: 0.04 Lux @ (F2.2, AGC ON) B/W: 0.02 Lux @ (F2.2, AGC ON) | Color: 0.06 Lux @ (F2.2, AGC ON) B/W: 0.04 Lux @ (F2.2, AGC ON) |
| Shutter | 1/30 s to 1/100,000 s | 1/30 s to 1/100,000 s |
| Lens | 1.16 mm | 1.29 mm |
| Video Compression | H.264/H.265/MJPEG | H.264/H.265/MJPEG |
| Output Bit Rate | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps |
| Max. Resolution | 2688 × 1944 | 4000 × 3000 |
| Fisheye Resolution | 50 Hz: 17 fps (4000 × 3000), 60 Hz: 15 fps (4000 × 3000) | 50 Hz: 25 fps (2688 × 1944), 60 Hz: 30 fps (2688 × 1944) |
| Calibration Resolution | Dual-channel: 50 Hz: 8.5 fps (3840 × 1440), 60 Hz: 7.5 fps (3840 × 1440); 4-channel: 50 Hz: 8.5 fps (1920 × 1440), 60 Hz: 7.5 fps (1920 × 1440); 1-channel (with 2 windows): 50 Hz: 8.5 fps (3840 × 2880), 60 Hz: 7.5 fps (3840 × 2880); 1-channel (with 4 windows): 50 Hz: 8.5 fps (3840 × 2880), 60 Hz: 7.5 fps (3840 × 2880); Main Stream (configurable): 1280 × 1024, 1280 × 720, 704 × 576 | Dual-channel: 50 Hz: 12.5 fps (2688 × 832), 60 Hz: 15 fps (2688 × 832); 4-channel: 50 Hz: 12.5 fps (1344 × 832), 60 Hz: 15 fps (1344 × 832); 1-channel (with 2 windows): 50 Hz: 12.5 fps (2688 × 1664), 60 Hz: 15 fps (2688 × 1664); 1-channel (with 4 windows): 50 Hz: 12.5 fps (2688 × 1664), 60 Hz: 15 fps (2688 × 1664); Main Stream: 1920 × 1080 |
| Sub-Stream | 1920 × 1080, 704 × 576, 352 × 288 | 1920 × 1080, 640 × 480 |
| Installation Mode | Ceiling mount | Ceiling mount |
| Image Settings | Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser. | Saturation, brightness, contrast, white balance, AGC, and 3D noise reduction can be adjusted via the web browser. |
| Protocols | Open Network Video Interface Forum, RTSP, ISAPI | Open Network Video Interface Forum, RTSP, ISAPI |
| Security | Heartbeat, password protection, and NTP time sync. | Heartbeat, password protection, and NTP time sync. |
| Parking Space Detection Mode | Up to 16 parking spaces status detection in dual-channel mode. | Up to 12 parking spaces status detection in dual-channel mode. |
| Communication Interface | 1 × audio input and output port(s), 1 × 10/100M Ethernet port(s), 1 × relay output, 2 × alarm output, 1 × RS485 | 1 × audio input and output port(s), 1 × 10/100M Ethernet port(s), 1 × relay output, 2 × alarm output, 1 × RS485 |
| Working Temperature | -20 °C to 60 °C (-4 °F to 140 °F) | -20 °C to 60 °C (-4 °F to 140 °F) |
| Power Supply | 12 VDC/PoE | 12 VDC/PoE |
| Working Consumption | 5 W | 5 W |
| Weight | 150 g (0.33 lb.) | 150 g (0.33 lb.) |





Guidance Terminal


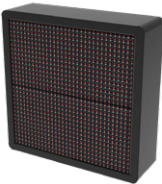
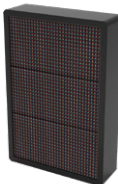
| Model | DS-TPM400-P |
|---------------------|---|
| Image |  |
| CPU | High Performance ARM A17 digital media processor |
| Operating System | Embedded Linux operating system |
| Operation Interface | WEB |
| Network Video Input | Access of 16 dual cameras 32 parking cameras |
| Audio Input | 1-ch Audio Input |
| Audio Output | 1-ch Audio Output |
| Alarm Input | 3-ch Alarm Input |
| Alarm Output | 3-ch Alarm Output |
| RS485 Interface | 2 RS485 Interfaces |
| USB Interface | 1 USB2.0 Interfaces, 1 USB3.0 Interface |
| HDMI Interface | 1 HDMI Interface |
| Network Interface | 16 100M Internal Ethernet Interfaces, including 8 HIKVISION POE Ethernet Interfaces; 4 1000M External Ethernet Interfaces |
| Optical Interface | 1 Optical Interface |
| Data Storage | Parking camera capture picture and video storage, support up to 6 HDDs(6 TB for each HDD) |
| Data Upload | Support data upload and video stream transfer |
| Power Supply | 220 VAC/110 VAC , Standard |
| Power | <500 w |
| Dimensions | Dimension: 410 mm (Width) × 130mm (Depth) × 540 mm (Height) |
| Working Environment | Working Temperature -10 °C-50 °C, Working Humidity 10 %-90 % |


Inquiry Machine

| Model | DS-TPW332-C |
|-------------------------------|--|
| Image |  |
| Resolution | 1920 × 1080 |
| Screen Size | 31.5 inch |
| Display Size (H × V) | 698.4 mm × 392.85 mm (27.5" × 15.5") |
| Brightness | 300 cd/m2 |
| Contrast | 1000:1 |
| Field of View | 89°/89°/89°/89° (L/R/U/D) |
| Response Time | 8 ms |
| Color Depth | 16.7 M |
| Touchscreen | IR touch |
| Touch Point | 10 |
| Touch Resolution | 32768 × 32768 |
| Working Consumption | ≤85 W |
| Power Supply | 100 to 240 VAC, 50/60 Hz |
| Product Dimension (H × V × D) | 764.46 mm × 459.06 mm × 59.8 mm (30.1" × 18.1" × 2.4") (without wall-mounted frame) |
| Screen Surface | Tempered glass |
| Housing Material | Aluminum alloy brushed surface frame, hardware back case |
| Interface | 1 × RJ45, 1 × Power, 2 × USB, 1 × TF Card, 1 × AUDIO IN, 1 × AUDIO OUT, 2 × speaker (5w) |
| CPU | Cortex-A17, 4 core, 1.8 GHz |
| Memory | 2 G |
| Capacity | 8 G |
| Version | Android 7 |
| Installation Mode | Vertically or horizontally wall-mounted. Optional K-shape base. |

LED Display

| Model | DS-TVL121-3-5D | DS-TVL121-6-5D | DS-TVL121-9-5D | DS-TVL121-3-5/H | DS-TVL221-3-5/H |
|-----------------------|---|---|--|---|---|
| Image |  |  |  |  |  |
| Application | Indoor Parking Lot | Indoor Parking Lot | Indoor Parking Lot | Indoor parking lot (module) | Outdoor parking lot (module) |
| Power Supply | 110 VAC – 220 VAC | 110 VAC – 220 VAC | 110 VAC – 220 VAC | 110 VAC – 220 VAC | 110 VAC – 220 VAC |
| Power Consumption | Max. 14W | Max. 28W | Max. 50W | 14 W in maximum | 12W in maximum |
| Display Mode | Shift left, Shift up, Upward expanding, Downward expanding | Shift left, Shift up, Upward expanding, Downward expanding | Shift left, Shift up, Upward expanding, Downward expanding | Real-time display | Real-time display |
| Dimension | 584 × 224 × 66 mm | 1133 × 224 × 66 mm | 1682 × 224 × 66 mm | 579 × 298 × 65 mm | 550 × 255 × 65 mm |
| Display Screen Border | Black Aluminum Alloy Border | Black Aluminum Alloy Border | Black Aluminum Alloy Border | Black aluminum alloy frame | Black aluminium alloy frame |
| ICON Display | Arrow, disable, pregnant, etc | Arrow, disable, pregnant, etc | Arrow, disable, pregnant, etc | Arrow, disable, pregnant, etc | / |
| Color Display | Red/Green/Yellow/Blue/Cyan/Magenta/White | Red/Green/Yellow/Blue/Cyan/Magenta/White | Red/Green/Yellow/Blue/Cyan/Magenta/White | Red/Green/Yellow/Blue/Cyan/Magenta/White | Red/Green/Yellow/Blue/Cyan/Magenta/White |
| Communication Mode | RS485/RJ45 | RS485/RJ45 | RS485/RJ45 | RS485/RJ45 | RS485/RJ45 |
| Number Display | 3 | 6 | 9 | 3 | 4 |

| Model | DS-TVL221-4-5H | DS-TVL222-4-5H | DS-TVL223-4-5H |
|-----------------------|--|---|--|
| Image |  |  |  |
| Application | Outdoor Parking Lot | Outdoor Parking Lot | Outdoor Parking Lot |
| Power Supply | 110 VAC – 220 VAC | 110 VAC – 220 VAC | 110 VAC – 220 VAC |
| Power Consumption | 30 W | 60 W | 90 W |
| Display Mode | Real-time display | Real-time display | Real-time display |
| Dimension | 360 × 180 × 110 mm | 360 × 360 × 110 mm | 360 × 540 × 110 mm |
| Display Screen Border | Black aluminium alloy frame | Black aluminium alloy frame | Black aluminium alloy frame |
| ICON Display | Arrow, disable, pregnant, etc | Arrow, disable, pregnant, etc | Arrow, disable, pregnant, etc |
| Color Display | Red/Green/Yellow | Red/Green/Yellow | Red/Green/Yellow |
| Communication Mode | RS485/RJ45 | RS485/RJ45 | RS485/RJ45 |
| Number Display | 4 | 8 | 12 |

| Model | DS-TV8200 |
|-----------------------------|---|
| Image |  |
| Module Number | 1-8 |
| Communication Mode | RS485, RJ45, RS232 |
| Pixel Composition of Module | 1R1G Dual-color |
| Module Size | 320 X 160 mm |
| Power Supply | 220 VAC/110 VAC |
| Weight | 75 kg |
| Dimension | 700 × 3000 × 150 mm (27.6 × 118.1 × 5.9 inch) |

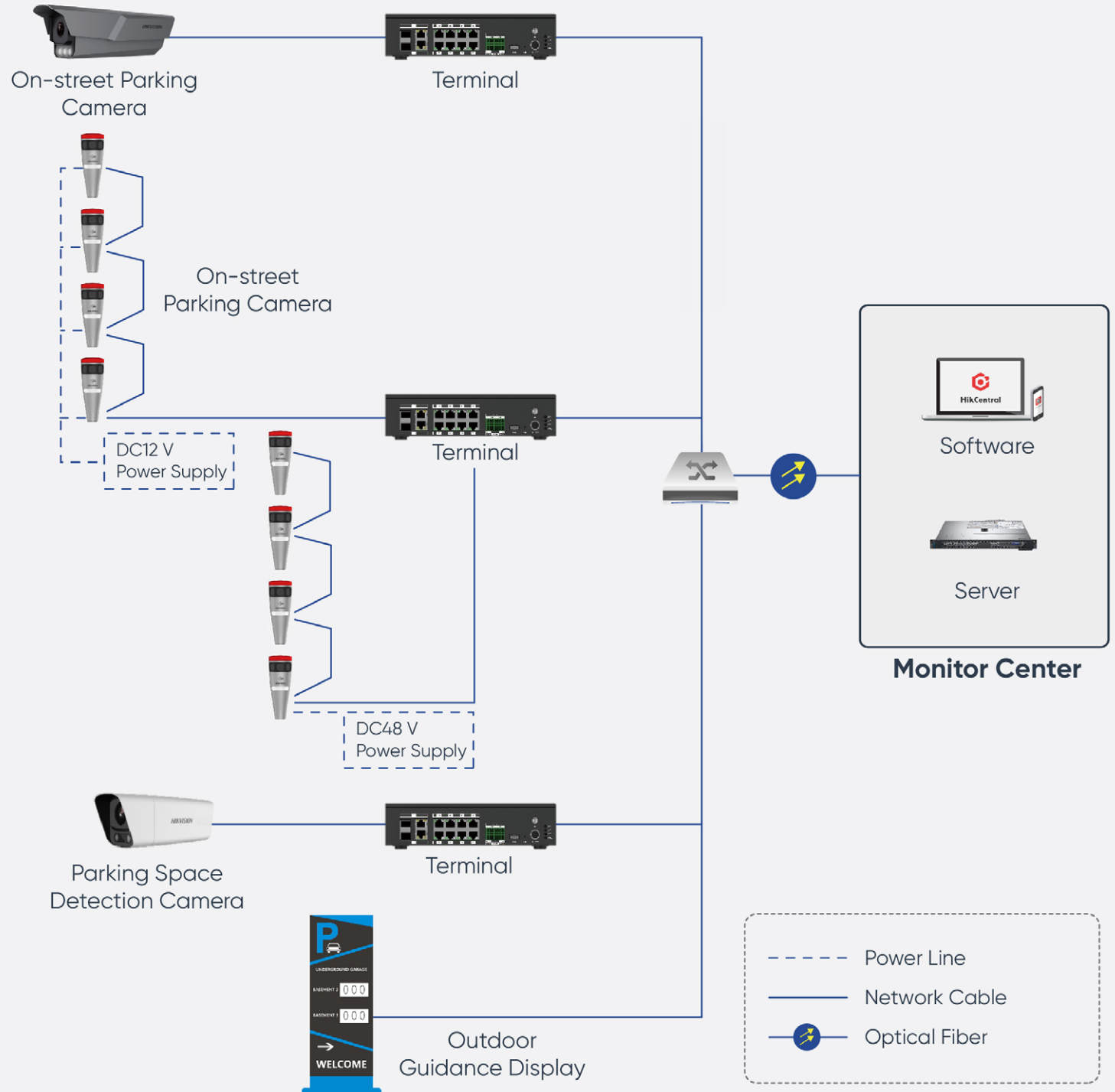
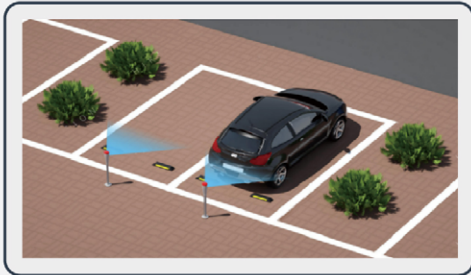
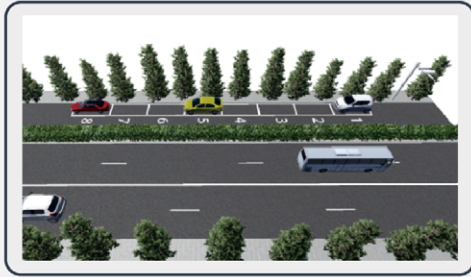


E&E and Parking Guidance System




On-Street Parking Management System

The On-Street Parking Management System detects parking space status, recognizes vehicles, and records the complete process of vehicles parking in the form of images and video. It supports ANPR and H.265 compression. Moreover, they enable intelligent event detection and data collection, which are widely used in urban roadside and outside parking space detection.


- Intelligent 8/4/2MP on-street COMS camera
- Captures and recognizes parking vehicles via ANPR
- Supports maximum 128GB TF card
- Supports Automatic Network Replenishment (ANR)
- Supports parking spaces status detection



Roadside Parking System

| Model | IDS-TCR803-B | DS-TCL400-E | IDS-TCR204-E |
|---------------------|--|--|--|
| Image |  |  |  |
| Image Sensor | 1/1.8" Progressive Scan CMOS | 1/1.8" Progressive Scan CMOS | 1/3" Progressive Scan CMOS |
| Min. Illumination | Color: 0.009 Lux @ (F1.4, AGC ON) B/W: 0.0001 Lux @ (F1.4, AGC ON) | Color: 0.0004351lux(F2.0,AGC ON) B/W: 0.00022lux(F2.0,AGC ON) | Color: 0.019 lux (F2.0,AGC ON) B/W: 0.011 lux (F2.0,AGC ON) |
| Shutter Speed | 1 s to 1/100000 s | 1/30 s to 1/100000 s | 1/30 s to 1/100000 s |
| Lens | Vari-focal lens, motor-driven lens | Fixed lens | Vari-focal lens, motor-driven lens |
| Focal Length | 11 to 55mm / 04 to 11mm | 2.8 mm | 3.1 to 6 mm |
| Day/Night Switch | ICR | ICR | Not Support |
| Video Compression | H.264 / H.265 / MJPEG | H.264 / H.265 / MJPEG | H.264 / H.265 / MJPEG |
| Video Bit Rate | 32 Kbps to 16 Mbps | 32 Kbps to 16 Mbps | 32 Kbps - 16 Mbps |
| Max. Resolution | 3840 × 2160 | 2688 × 1520 | 1920 × 1200 |
| Frame Rate | 25 fps | 25 fps | 25 fps |
| Picture Format | JPEG | JPEG | JPEG |
| Supplement Light | 3 LED Supplement Lights,850nm,angle:40° | 1 LED Supplement Light,850nm,angle:40° | 1 LED Supplement Light, 850 nm, angle: 40° |
| Smart Recognition | License plate recognition, vehicle entering/exiting parking space status, parking space status detection, parking over spaces detection, parking over line detection | License plate recognition, vehicle entering/exiting parking space status, parking space status detection, parking over spaces detection, parking over line detection | License plate recognition, vehicle entering/exiting parking space status, parking space status detection, parking over spaces detection, parking over line detection |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP,SNMP | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP | TCP/IP, HTTP, DHCP, DNS, RTP, RTSP, NTP |
| Communication | 1 RJ45 10M /100M/ 1000M Ethernet interface, 1 RS-485 interface | 2 RJ45 10M /100M/ 1000M Ethernet interface, 1 power interface | 1 RJ45 10 M /100 M/ 1000 M Ethernet interface, 1 RS-485 interface, 1 RS-232 interface |
| Memory Card Slot | Support TF card | Support TF card | Support TF card |
| Working Temperature | -30°C to 70°C | -20°C to 60°C | -20 °C to 70 °C |
| Working Humidity | 5% to 95% @ 40 °C (non-condensing) | 90% or less (non-condensing) | 90 % or less (non-condensing) |
| Power Supply | 12 to 24 VDC | 12 to 24 VDC | 10 to 14 VDC |
| IP | IP67 | IP67 | IP67 |
| Dimension | 298.4 × 115.5 × 110.8 mm (11.7 × 4.5× 4.4 inch) | 1039.6× 114.6 mm (36.1 × 4.5inch) | 237.77 × 80 × 80 mm (9.36 × 3.15 × 3.15 inch) |
| Weight | 2 ± 0.5 kg (4.4 ± 1.1 lb) | 500 g (1.1lb) | 725 g (1.6 lb) |
| Power Consumption | < 15 W | < 10 W | < 5.4 W |

Terminal

| Model | IDS-TPE400-E |
|---------------------|---|
| Image |  |
| Operating System | Embedded Linux Operating System |
| Operating Interface | WEB |
| Hard Disk Storage | 1 3.5" SATAHDD, 2 TB, support up to 6 TB |
| Indicators | Power/Alarm/HDD/Operation |
| Network Interface | 4 100M Ethernet Interfaces, 2 10/100/1000 M self-adaptive Ethernet Interfaces, 2 1000M SFP Optical Interfaces |
| Audio Output | 1 Audio Output |
| Alarm Input | 1 Switching Value Alarm Input |
| Alarm Output | 1 Switching Value Alarm Output |
| RS232 Interface | 2 RS232 |
| RS485 Interface | 1 RS485 |
| USB Interface | 1 USB2.0 |
| Data Storage | Support vehicle information (Record and Picture) storage |
| Video Recording | Support video recording |
| Data Upload | Support data ANR and manual. |
| Power Supply | 12 VDC/5 A Adapter |
| Power | 20 W |
| Dimension | 245 mm (Width) × 175 mm (Depth) × 60 mm (Height) |
| Weight | 2.0 kg (Included 1 HDD) |
| Working Environment | Working Temperature -30 °C ~ 70 °C, Working Humidity10 % ~ 90 % |



Hikvision Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China
 T +86-571-8807-5998
 Business: overseasbusiness@hikvision.com
 Technical Support: support@hikvision.com

Hikvision Australia
 T +61-2-8599-4233
 salesau@hikvision.com

Hikvision Azerbaijan
 T +994 50 369 81 57
 Azerbaijan.CATC@hikvision.com

Hikvision Brazil
 T +55-11-3318-0050
 Latam.support@hikvision.com

Hikvision Canada
 T +1-866-200-6690
 sales.canada@hikvision.com

Hikvision Colombia
 sales.colombia@hikvision.com

Hikvision Czech
 T +420 29 6182640
 info.cz@hikvision.com

Hikvision Egypt
 T +20223066117
 sales.eg@hikvision.com

Hikvision Europe
 T +31 23 5542770
 sales.eu@hikvision.com

Hikvision France
 T +33(0)1 85 330 450
 info.fr@hikvision.com

Hikvision Germany
 sales.dach@hikvision.com

Hikvision Hong Kong , China
 sales.hk@hikvision.com

Hikvision Hungary KFT
 info.hu@hikvision.com

Hikvision India
 T +91-22-6855 9944
 sales@pramahikvision.com

Hikvision Indonesia
 T +6221 2933 9366
 Sales.Indonesia@hikvision.com

Hikvision Israel
 T +972 79 5555590
 sales.israel@hikvision.com

Hikvision Italy
 T +39 0438 6902
 info.it@hikvision.com

Hikvision Kazakhstan
 T +7 (727) 291-75-88
 support@hikvision.kz

Hikvision Kenya
 wangchengbin@hikvision.com

Hikvision Korea
 T +82-1661-8138
 sales.korea@hikvision.com

Hikvision Malaysia
 T +60327224000
 sales.my@hikvision.com

Hikvision Mexico
 T +52 55 2624 0110
 sales.mexico@hikvision.com

Hikvision New Zealand
 T 09 217 3127
 salesnz@hikvision.com

Hikvision New Panama
 Sales.centralamerica
 @hikvision.com

Hikvision Pakistan
 T +92-2135147526
 support.pk@hikvision.com

Hikvision Philippines
 support.ph@hikvision.com

Hikvision Poland
 T +48 22 460 01 50
 info.pl@hikvision.com

Hikvision Russia
 T +7-495-669-67-99
 saleru@hikvision.com

Hikvision Romania
 marketing.ro@hikvision.com

Hikvision Singapore
 T +65 6684 4718
 sg@hikvision.com

Hikvision South Africa
 T +27 877018113
 sale.africa@hikvision.com

Hikvision Spain
 T +34 91 737 16 55
 info.es@hikvision.com

Hikvision Tashkent
 T +99-87-1238-9438
 uzb@hikvision.ru

Hikvision Thailand
 sales.thailand@hikvision.com

Hikvision Turkey
 T +90 216 521 70 70
 support.tr@hikvision.com

Hikvision UAE
 T +971-4-4432090
 salesme@hikvision.com

Hikvision UK & Ireland
 T +44(0)1628 902 140
 info.uk@hikvision.com

Hikvision Uzbekistan
 T +998-71-233-55-50
 uzbekistan@hikvision.com

Hikvision USA
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