

Hikvision Barrier Gates

Lift the barrier to efficient,
tailored vehicle access management



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HIKVISION®

The image shows a Hikvision barrier gate installed at the entrance of a parking garage. The gate is a white arm with red reflective stripes, currently in the closed position. It is supported by a yellow vertical post on the left and a red control box on the right. A white control cabinet stands next to the red box. Above the gate, a circular red and white sign indicates a height limit of 1.9m. The background shows the interior of the parking garage with concrete pillars and fluorescent lighting. A red curved graphic element is in the bottom left corner.

HIKVISION®

Hikvision Barrier Gates

Lift the barrier to efficient,
tailored vehicle access management

INTRODUCTION

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Barrier Gate



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Barrier Gate



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Barrier Gate



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FAQ

Access control & traffic management made easy

Hikvision presents an extensive range of barrier gates suitable for various scenarios and needs, spanning entry-level to high-end models. These gates function as controlled access points, granting passage exclusively to authorized vehicles. Furthermore, by effectively managing the entry and exit of vehicles, they contribute to overall traffic management. Whether in bustling parking lots, gated communities or industrial parks, these barrier gates proficiently regulate the flow of vehicles, ensuring orderly access for all.

Product highlights



User-friendly interface

Integrated motherboard for easy operation



Modular design

Integrated design for easy installation and maintenance



Stable structure

DC brushless motor and DC frequency conversion technology to ensure accurate, smooth and low-noise operation



Intelligent safety protection

Including anti-collision, auto rebound, and power-off lift



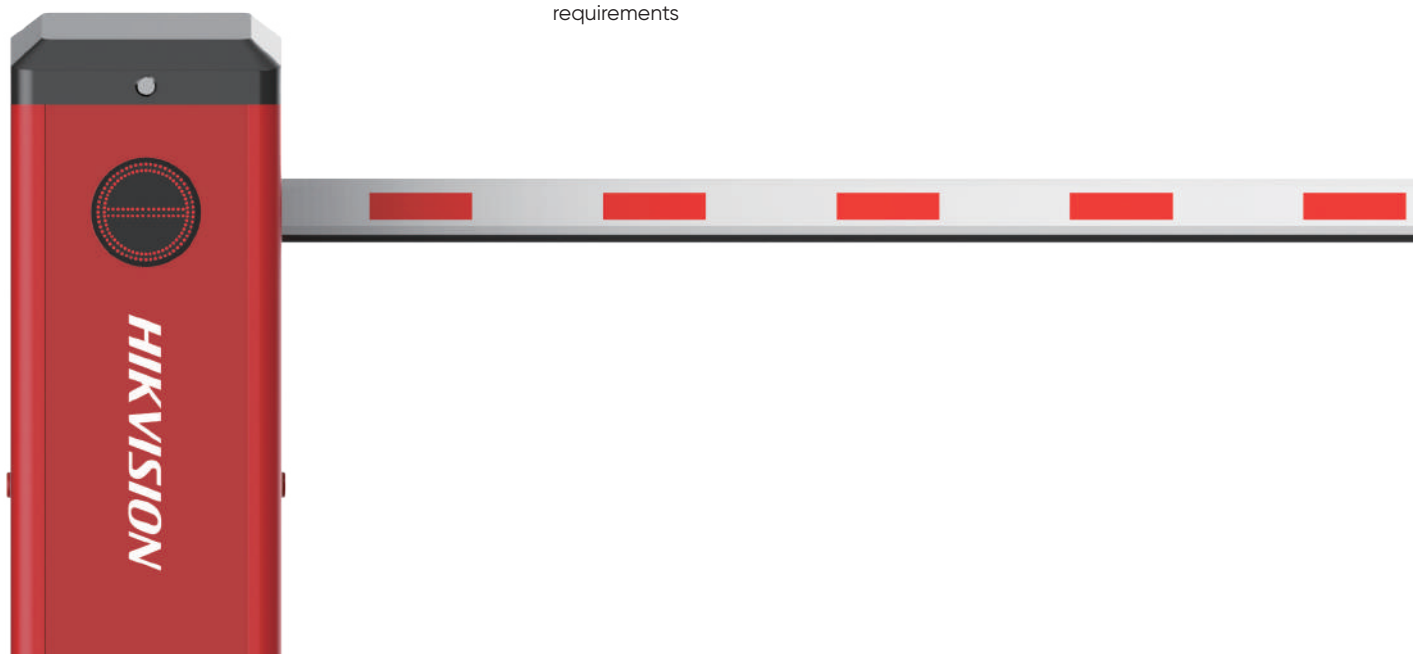
Extensive product selection

Diverse range of product categories, including boom poles and accessories, designed to meet various scenarios and requirements



Convenient remote control

Easily operated and monitored remotely, offering unparalleled convenience and flexibility

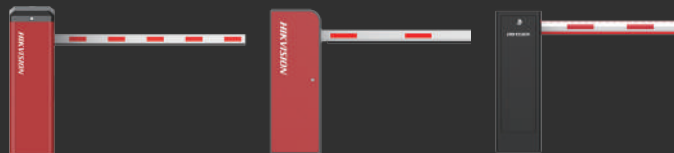




Barrier Gates

Components

1 Barrier Gate



2 Radar



3 ANPR Camera



4 LED Screen



Application Scenarios



Highway toll gates

Experience exceptional high-speed operation designed to efficiently manage the high volume of vehicles entering and exiting highway toll gates



Public parking

Enhance access control, prevent unauthorized parking, and increase overall parking management efficiency



Malls & industrial parks

Streamline vehicle management in high-traffic areas such as bustling malls and industrial parks to improve operational efficiency



Residential areas & office buildings

Effectively regulate vehicle access to enhance security and privacy for premises, ensuring a safe and controlled environment

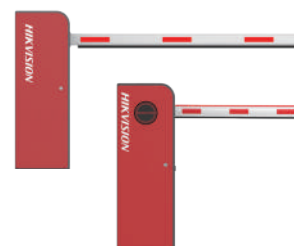
Product Showcase



Value

DS-TMG30X Series

MCBF*	2,500,000
Max. Rising Speed	3s(@3m)
Frequency of use	360 cycles/hour(@3m)
Material	CRS
Motor Type	DC Brushless Motor



Pro

DS-TMG42X Series

MCBF*	5,000,000
Max. Rising Speed	1.8s(@3s)
Frequency of use	600 cycles/hour(@3m)
Material	SGCC
Motor Type	DC Brushless Motor



Ultra

DS-TMG52X Series

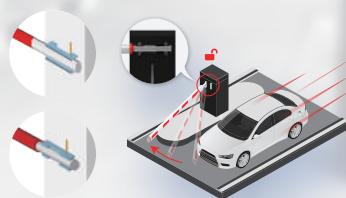
MCBF*	5,000,000
Max. Rising Speed	0.9s(@3m)
Frequency of use	900cycles/hour(@3m)
Material	SGCC
Motor Type	DC Brushless Motor

*Mean Cycles Between Failures

Value

DS-TMG30X Series

Stable and cost-effective entry-level option tailored for the distribution market



Anti collision

To prevent deformation or breakage, the anti-collision boom pole will fall off the gate if it a vehicle makes contact.



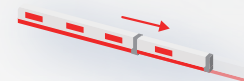
Remote control

In addition to software control, the remote controller supports emergency response when the barrier gate is offline.



Auto rebound

If the boom pole contacts a vehicle or pedestrian during descent, it will rebound immediately.



Retractable adjustment

The 30 Series's telescopic boom poles support pole length adjustment within the specified range to ensure availability.



Compact design

Easily fits into constrained spaces, ensuring versatile installation options

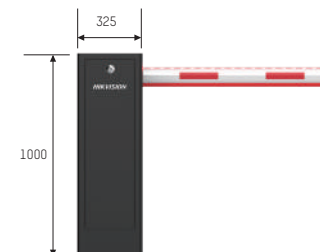
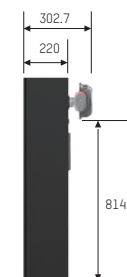


Switchable power supply

Operates across 110-240VAC, set for 220V usage by default

Pole Length	Mean Time Between Failures (MTBF)	Rising Speed	Falling Speed
Up to 6m	2.5 Million Cycles	From 3s to 6s	From 3s to 6s

Dimensions(mm)



DS-TMG300 Series Straight Pole

Model	DS-TMG300-D
Motor	DC Brushless Motor
Mean Time Between Failures (MTBF)	2,500,000
Pole Type	Straight Pole (Octagonal/Telescopic)
Rising Speed	3m: 3s 2.5-4.5m: 3s 3.4-6m: 6s
Falling Speed	3m: 3s 2.5-4.5m: 3s 3.4-6m: 6s
Pole Direction	Left/Right
Power Supply	110-240VAC (default 220V, Switchable)
Operating Temperature	-30 °C to 70 °C

Available Models

DS-TMG300

Baseline:

- 3m octagonal pole
- 3m anti-collision octagonal pole

Customizable:

- 2m octagonal pole
- 2m anti-collision octagonal pole



Baseline

Octagonal Pole

3m

Anti-Collision Octagonal Pole

3m

Customizable

Octagonal Pole

2m

Anti-Collision Octagonal Pole

2m

DS-TMG300

Baseline:

- 2.5-4.5m octagonal telescopic pole
- 2.5-4.5m anti-collision octagonal telescopic pole
- 3.4-6m octagonal telescopic pole

Customizable:

- 4m octagonal pole
- 4m anti-collision octagonal pole
- 5/6m octagonal pole



Baseline

Octagonal Telescopic Pole

2.5-4.5m

3.4-6m

Anti-Collision Octagonal Telescopic Pole

2.5-4.5m

Customizable

Octagonal Pole

4m

5m

6m

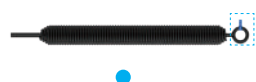
Anti-Collision Round Pole

4m

DS-TMG300 Series Straight Pole

Accessories

Spring



φ35mm Spring (Blue)



φ41.5mm Spring(Black)

Chuck



Octagonal Pole Chuck

Control Board



Barrier Gate Main Board

Industrial Power Supply Unit



Industrial Power Supply Unit

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Accessory Bag



Octagonal Pole Accessory Bag



Anti-Collision Octagonal Telescopic Pole Accessory Bag



Octagonal Telescopic Pole Accessory Bag

Bracket



Bracket (supporting 5 meters /6 meters pole)

Coil & Vehicle Detector



Coil



Vehicle Detector

Warning Light



Warning Light

Manual Control Box



Manual Control Box

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring	Chuck Type	Accessory Bag
Octagonal Pole	3m Octagonal Pole	1 Spring (Blue)	●	Octagonal Pole Chuck	Octagonal Pole Accessory Bag
	4m Octagonal Pole	1 Spring (Blue)	●	Octagonal Pole Chuck	Octagonal Pole Accessory Bag
	6m Octagonal Pole	1 Spring (Black)	●	Octagonal Pole Chuck	Octagonal Pole Accessory Bag
Octagonal Telescopic Pole (Random Lengths)	Octagonal Telescopic Pole (2.5-4.5m)	1 Spring (Blue)	●	Octagonal Pole Chuck	Octagonal Telescopic Pole Accessory Bag
	Octagonal Telescopic Pole (3.4-6m)	1 Spring (Black)	●	Octagonal Pole Chuck	Octagonal Telescopic Pole Accessory Bag
Anti-Collision Octagonal Telescopic Pole	Anti-Collision Octagonal Telescopic Pole (2.5-4.5m)	1 Spring (Blue)	●	Octagonal Pole Chuck	Anti-Collision Octagonal Pole Accessory Bag
	Anti-Collision Octagonal Telescopic Pole (3.4-6m)	1 Spring (Black)	●	Octagonal Pole Chuck	Anti-Collision Octagonal Pole Accessory Bag

DS-TMG300 Series Light Pole

Model	Ds-TMG300-D/A		DS-TMG300-D/A/B	
Motor	DC Brushless Motor			
Mean Time Between Failures (MCBF)	2,500,000			
Pole Type	Light Pole			
Rising Speed	3m: 3s	4m: 3s	4m: 3 to 6s	
Falling Speed	3m: 3s	4m: 3s	4m: 3 to 6s	
Pole Direction	Left/Right			
Power Supply	110-240VAC (default 220V, Switchable)			
Operating Temperature	-30 °C to 70 °C			

Available Models

DS-TMG300/A

Baseline:

- 3/4m light pole

Customizable:

- 2m light pole



Baseline

Light Pole

3m

4m

Customizable

Light Pole

2m

DS-TMG300/A/B

Baseline:

- 4m light pole

Customizable:

- 2/3m light pole
- 2/3/4m octagonal pole (without arrow indicator)



Baseline

Light Pole

4m

Customizable

Light Pole

2m

3m

Octagonal Pole (Without Arrow Indicator)

2m

3m

4m

Accessories

Spring



φ35mm Spring (Blue)



φ41.5mm Spring(Black)

Chuck



Light Pole Chuck

Control Board



Barrier Gate Main Board

Industrial Power Supply Unit



Industrial Power Supply Unit

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Accessory Bag



Light Pole Accessory Bag

Bracket



Bracket
(supporting 5 meters
/6 meters pole)

Warning Light



Warning Light

Manual Control Box



Manual Control Box

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring	Chuck Type	Accessory Bag
Light Pole	3m Light Pole	1 Spring (Blue)	●	Light Pole Chuck	Light Pole Accessory Bag
	4m Light Pole	1 Spring (Blue)	●	Light Pole Chuck	Light Pole Accessory Bag
	6m Light Pole	1 Spring (Black)	●	Light Pole Chuck	Light Pole Accessory Bag

DS-TMG301 Series Folding Pole

Model	DS-TMG301-D
Motor	DC Brushless Motor
Mean Time Between Failures (MTBF)	2,500,000
Pole Type	Folding Pole
Rising Speed	2+2m: 3 to 6s
Falling Speed	2+2m: 3 to 6s
Pole Direction	Left/Right
Power Supply	110-240VAC (default 220V, Switchable)
Operating Temperature	-30 °C to 70 °C

Available Models

DS-TMG301

Baseline:

- 2+2 m folding pole

Customizable:

- 1.5+1.5 m folding pole
- 2.5+2.5 m folding pole



Baseline

Folding Pole

2+2m

Customizable

Folding Pole

1.5+1.5m

2.5+2.5m

Accessories

Spring



φ35mm Spring (Blue)



φ41.5mm Spring (Black)

Chuck



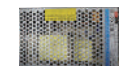
Octagonal Pole Chuck

Control Board



Barrier Gate Main Board

Industrial Power Supply Unit



Industrial Power Supply Unit

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with indicator

Accessory Bag



Octagonal Telescopic Accessory Bag

Bracket



Bracket
(supporting 5 meters / 6 meters pole)

Warning Light



Warning Light

Manual Control Box



Manual Control Box

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Coil & Vehicle Detector



Coil



Vehicle Detector

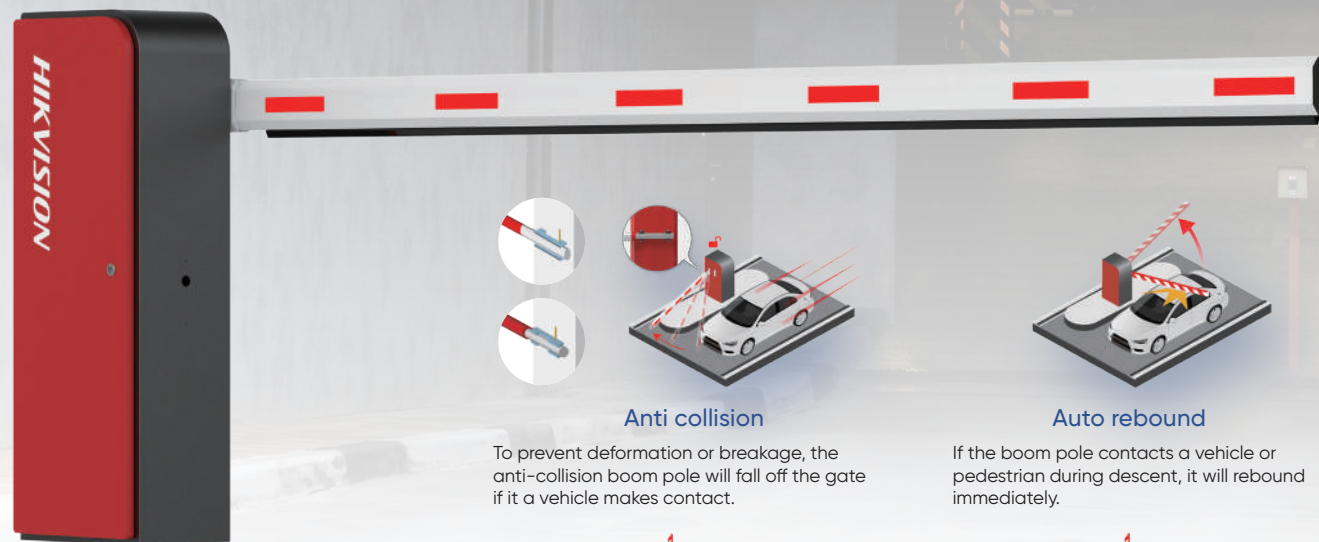
Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring	Chuck Type	Accessory Bag
Floding Pole	1.5+1.5m Floding Pole	1 Spring (Blue)	●	Octagonal Pole Chuck	Octagonal Telescopic Accessory Bag
	2+2m Floding Pole	1 Spring (Blue)	●	Octagonal Pole Chuck	Octagonal Telescopic Accessory Bag
	2.5+2.5m Floding Pole	1 Spring (Black)	●	Octagonal Pole Chuck	Octagonal Telescopic Accessory Bag

Pro

DS-TMG42X Series

Ideal choice for efficient and reliable vehicle access management in professional settings



Anti collision

To prevent deformation or breakage, the anti-collision boom pole will fall off the gate if it a vehicle makes contact.



Auto rebound

If the boom pole contacts a vehicle or pedestrian during descent, it will rebound immediately.



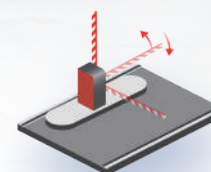
Remote control

In addition to software control, the remote controller supports emergency response when the barrier gate is offline.



Manual opening

In case of loss of power, users can rotate the hand wheel to keep the barrier gate open.



Linkage design

Ensures a stable structure, enables smooth lifting and lowering, and allows for easy adjustments

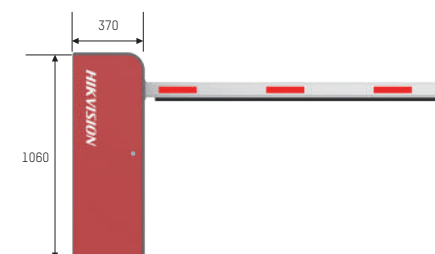
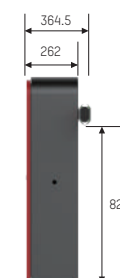


Streamlined structural design

Effortless front door operation, streamlined internal structure for easy wiring, installation, and maintenance

Pole Length	Mean Time Between Failures (MTBF)	Rising Speed	Falling Speed
Up to 6m	5 Million Cycles	From 1.8s to 5s	From 1.8s to 5s

Dimensions(mm)



DS-TMG420 Series Straight Pole

Model	DS-TMG420
Motor	DC Brushless Motor
Mean Time Between Failures (MTBF)	5,000,000
Pole Type	Straight Pole (Octagonal/Round)
Rising Speed	3m: 1.8s 4m: 2.5s 6m: 5s
Falling Speed	3m: 1.8s 4m: 2.5s 6m: 5s
Pole Direction	Direction Switchable
Power Supply	220 VAC
Operating Temperature	-30 °C to 70 °C

Available Models

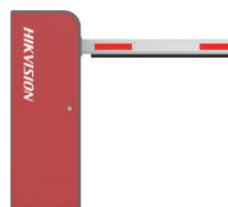
DS-TMG420

Baseline:

- 3/4/6m octagonal pole
- 3/4m anti-collision round pole

Customizable:

- 2m octagonal pole
- 5m octagonal pole
- 2m anti-collision round pole



Baseline

Octagonal Pole

3m

4m

6m

Anti-Collision Round Pole

3m

4m

Customizable

Octagonal Pole

2m

5m

Anti-Collision Round Pole

2m

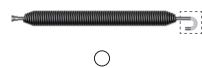
DS-TMG420 Series Straight Pole

Accessories

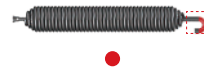
Spring



φ39.9mm Small Size Spring (Green)



φ38.8mm Middle Size Spring (White)



φ61mm Big Size Spring (Red)

Chuck



Octagonal Pole Chuck



Big Octagonal Pole Chuck



Anti-Collision Round Pole Chuck

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Warning Light



Warning Light

Control Board



Barrier Gate Main Board



Super Capacitor Board

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Bracket



Bracket
(supporting 5 meters
/6 meters pole)

Manual Control Box



Manual Control Box

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Octagonal Pole	2m Octagonal Pole	1 Spring (Green)	●		Octagonal Pole Chuck
	3m Octagonal Pole	1 Spring (White)	○		Octagonal Pole Chuck
	4m Octagonal Pole	2 Springs (Green)	●	●	Octagonal Pole Chuck
	5m Octagonal Pole	1 Spring (Red)	●		Big Octagonal Pole Chuck
	6m Octagonal Pole	1 Spring (Red)+1 Spring (Green)	●	●	Big Octagonal Pole Chuck
Anti-Collision Round Pole	3m Anti-Collision Round Pole	1 Spring (White)	○		Anti-Collision Round Pole Chuck
	4m Anti-Collision Round Pole	1 Spring (White)+1 Spring (Green)	○	●	Anti-Collision Round Pole Chuck

DS-TMG420 Series Light Pole

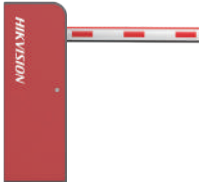
Model	DS-TMG420/A	DS-TMG420/A/B
Motor	DC Brushless Motor	
Mean Time Between Failures (MTBF)	5,000,000	
Pole Type	Light Pole	
Rising Speed	3m: 3s 4m: 3s	3m: 1.8 s 4m: 2.5s
Falling Speed	3m: 3s 4m: 3s	3m: 1.8 s 4m: 2.5s
Pole Direction	Direction Switchable	
Power Supply	220 VAC	
Operating Temperature	-30 °C to 70 °C	

Available Models

DS-TMG420/A

Baseline:

- 3/4m light pole
- Customizable:
- 6m light pole



Baseline

Light Pole

3m

4m

Customizable

Light Pole

6m

DS-TMG420/A/B

Baseline:

- 3/4m light pole
- Customizable:
- 3m octagonal pole
- 4m octagonal pole



Baseline

Light Pole

3m

4m

Customizable

Octagonal Pole

3m

4m

Accessories

Spring



φ39.9mm Small Size Spring (Green)



φ38.8mm Middle Size Spring (White)

Control Board



Barrier Gate Main Board



Super Capacitor Board

Chuck



Light Pole Chuck

Warning Light



Warning Light

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Antenna Module



Antenna Module

Remote Controller



Remote Controller

Bracket



Bracket
(supporting 5 meters
/6 meters pole)

Manual Control Box



Manual Control Box

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Light Pole	3m Light Pole	1 Spring (White)	○		Light Pole Chuck
	4m Light Pole	1 Spring (White)+1 Spring (Green)	○	●	Light Pole Chuck
	6m Light Pole	1 Spring (White)+1 Spring (Green)	○	●	Light Pole Chuck

DS-TMG420 Series

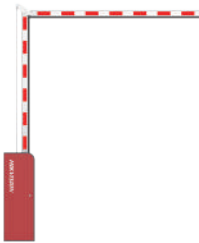
Folding Pole

Model	DS-TMG421	DS-TMG421/B
Motor	DC Brushless Motor	
Mean Time Between Failures (MTBF)	5,000,000	
Rising Speed	1.5+1.5m: 2.1s 2+2m: 3s 2.5+2.5m: 5s	2+2m: 3s
Falling Speed	1.5+1.5m: 2.1s 2+2m: 3s 2.5+2.5m: 5s	2+2m: 3s
Pole Direction	Direction Switchable	
Power Supply	220 VAC	
Operating Temperature	-30 °C to 70 °C	

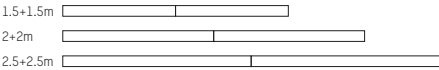
Available Models

DS-TMG421

- Baseline:
- 1.5+1.5 m folding pole
 - 2+2 m folding pole
 - 2.5+2.5 m folding pole

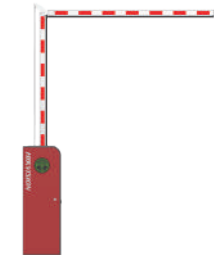


Baseline Folding Pole



DS-TMG421/B

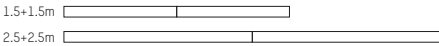
- Baseline:
- 2+2 m folding pole
- Customizable:
- 1.5+1.5 m folding pole
 - 2.5+2.5 m folding pole



Baseline Folding Pole



Customizable Folding Pole

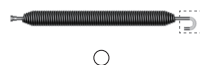


Accessories

Spring



φ39.9mm Small Size Spring (Green)



φ38.8mm Middle Size Spring (White)



φ61mm Big Size Spring (Red)

Control Board



Barrier Gate Main Board



Super capacitor Board

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Chuck



Octagonal Pole Chuck

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Coil & Vehicle Detector



Coil



Vehicle Detector

Warning Light



Warning Light

Bracket



Bracket
(supporting 5 meters
/6 meters pole)

Manual Control Box



Manual Control Box

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Folding Pole	1.5m+1.5m Folding Pole	1 Spring (White)	○		Octagonal Pole Chuck
	2m+2m Folding Pole	1 Spring (White)+1 Spring (Green)	○	●	Octagonal Pole Chuck
	2.5m+2.5m Folding Pole	1 Spring (Red)	●		Octagonal Pole Chuck

DS-TMG423 Series

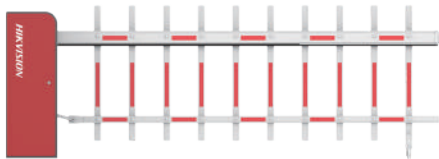
Fence Pole

Model	DS-TMG423	DS-TMG423/B
Motor	DC Brushless Motor	
Mean Time Between Failures (MTBF)	5,000,000	
Pole Type	Fence Pole	
Rising Speed	4m: 3s	4m: 4.5s
Falling Speed	4m: 3s	4m: 4.5s
Pole Direction	Left/Right	
Power Supply	220 VAC	
Operating Temperature	-30 °C to 70 °C	

Available Models

DS-TMG423

- Baseline:
- 4 m fence pole
- Customizable:
- 3 m fence pole
 - 5 m fence pole



Baseline

Fence Pole

4m

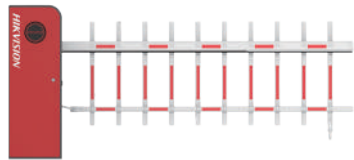
Customizable

Fence Pole

3m
5m

DS-TMG423/B

- Baseline:
- 4 m fence pole
- Customizable:
- 3 m fence pole
 - 5 m fence pole



Baseline

Fence Pole

4m

Customizable

Fence Pole

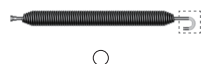
3m
5m

Accessories

Spring



φ39.9mm Small Size Spring (Green)



φ38.8mm Middle Size Spring (White)



φ61mm Big Size Spring (Red)

Control Board



Barrier Gate Main Board



Super Capacitor Board

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Chuck



Big Octagonal Pole Chuck

Remote Controller



Remote Controller

Antenna Module



Antenna Module

Coil & Vehicle Detector



Coil



Vehicle Detector

Warning Light



Warning Light

Bracket



Bracket
(supporting 5 meters /6
meters pole)

Manual Control Box



Manual Control Box

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Fence Pole	3m Left Fence Pole	2 Springs (White)	○	○	Big Octagonal Pole Chuck
	3m Right Fence Pole	2 Springs (White)	○	○	Big Octagonal Pole Chuck
	4m Left Fence Pole	1 Spring (Red)+1 Spring (Green)	●	●	Big Octagonal Pole Chuck
	4m Right Fence Pole	1 Spring (Red)+1 Spring (Green)	●	●	Big Octagonal Pole Chuck
	5m Left Fence Pole	2 Springs (Red)	●	●	Big Octagonal Pole Chuck
	5m Right Fence Pole	2 Springs (Red)	●	●	Big Octagonal Pole Chuck

Ultra

DS-TMG52X Series

Higher efficiency, greater stability, and increased durability, fitting for premium utilization



Anti collision

To prevent deformation or breakage, the anti-collision boom pole will fall off the gate if it a vehicle makes contact.



Auto rebound

If the boom pole contacts a vehicle or pedestrian during descent, it will rebound immediately.



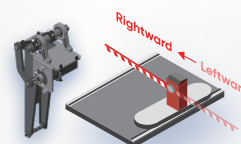
Remote control

In addition to software control, the remote controller supports emergency response when the barrier gate is offline.



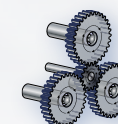
Movable top cover and mainboard

Incorporates a design with movable top covers and mainboard that streamlines wiring and maintenance procedures



Modular design

Modular design and switchable direction enhance ease of use and simplify installation and maintenance.

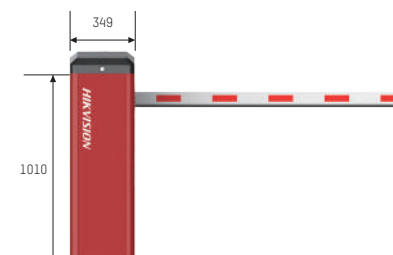
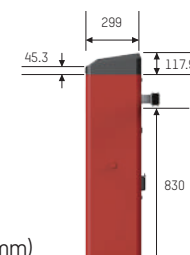


Planetary gear

The compact and strong planetary gear features high efficiency and load-bearing capacity, ensuring a stable, high-speed lift and drop.

Pole Length	Mean Time Between Failures (MTBF)	Rising Speed	Falling Speed
Up to 6m	5 Million Cycles	From 0.9s to 4s	From 3s to 6s

Dimensions(mm)



DS-TMG520 Series Straight Pole

Model	DS-TMG520	DS-TMG520/B
Motor	DC Brushless Motor	
Mean Time Between Failures (MTBF)	5,000,000	
Pole Type	Straight Pole (Octagonal/Round)	
Rising Speed	3m: 0.9s 4m: 1.5s 6m: 4s	3m: 0.9s 4m: 1.5s 6m: 4s
Falling Speed	3m: 1.5s 4m: 2.5s 6m: 4s	3m: 1.5s 4m: 2.5s 6m: 4s
Pole Direction	Direction Switchable	
Power Supply	220 VAC	
Operating Temperature	-30 °C to 70 °C	

Available Models

DS-TMG520

Baseline:

- 3/4/6m octagonal pole
- 3/4m anti-collision round pole

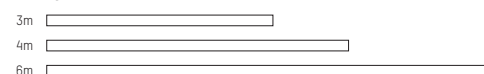
Customizable:

- 2m octagonal pole
- 5m octagonal pole
- 2m anti-collision round pole



Baseline

Octagonal Pole



Anti-Collision Round Pole



Customizable

Octagonal Pole



Anti-Collision Round Pole



DS-TMG520/B

Baseline:

- 3/4/6m octagonal pole

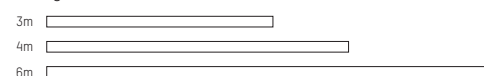
Customizable:

- 2m octagonal pole
- 5m octagonal pole



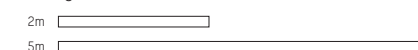
Baseline

Octagonal Pole



Customizable

Octagonal Pole



DS-TMG520 Series Straight Pole

Accessories

Spring



φ40mm Small Size Spring (Green)



φ34.8mm Middle Size Spring (White)



φ43mm Big Size Spring (Red)

Control Board



Barrier Gate Main Board



Super Capacitor Board

Chuck



Octagonal Pole Chuck



Big Octagonal Pole Chuck



Anti-Collision Round Pole Chuck



Adjustable Small Chuck
(Alternative Option)



Adjustable Big Chuck
(Alternative Option)

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Warning Light



Warning Light

Remote Controller



Remote Controller

Bracket



Bracket
(supporting 5 meters /6
meters pole)

Manual Control Box



Manual Control Box

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Octagonal Pole	2m Octagonal Pole	1 Spring (Green)	●		Octagonal Pole Chuck
	3m Octagonal Pole	1 Spring (White)	○		Octagonal Pole Chuck
	4m Octagonal Pole	1 Spring (White)	○		Octagonal Pole Chuck
	5m Octagonal Pole	2 Springs (White)	○	○	Big Octagonal Pole Chuck
	6m Octagonal Pole	1 Spring (Red)+1 Spring (White)	●	○	Big Octagonal Pole Chuck
Anti-Collision Round Pole	3m Anti-Collision Round Pole	1 Spring (White)	○		Anti-Collision Round Pole Chuck
	4m Anti-Collision Round Pole	1 Spring (White)+1 Spring (Green)	○	●	Anti-Collision Round Pole Chuck

If the boom pole remains angled and doesn't reach horizontal at the lowest limit position, replace the octagonal pole chuck with an adjustable small chunk (compatible with 2/3/4m octagonal poles), or the big octagonal pole chuck with an adjustable big chunk (compatible with 5/6m octagonal poles)

DS-TMG520 Series Light Pole

Model	DS-TMG520/A/B
Motor	DC Brushless Motor
Mean Time Between Failures (MTBF)	5,000,000
Pole Type	Light Pole
Rising Speed	3m: 0.9s 4m: 1.5s
Falling Speed	3m: 3s 4m: 3.5s
Pole Direction	Direction Switchable
Power Supply	220 VAC
Operating Temperature	-30 °C to 70 °C

Available Models

DS-TMG520/A/B

Baseline:

- 3/4m light pole

Customizable:

- 3m light pole (without arrow indicator)
- 4m light (without arrow indicator)
- 6m light pole (with/ without arrow indicator)



Baseline

Light Pole

3m

4m

Customizable

Light Pole (Without Arrow Indicator)

3m

4m

Light Pole (With/Without Arrow Indicator)

6m

Accessories

Spring



φ40mm Small Size Spring (Green)



φ34.8mm Middle Size Spring (White)

Control Board



Barrier Gate Main Board



Super Capacitor Board

Chuck



Light Pole Chuck

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Warning Light



Warning Light

Remote Controller



Remote Controller

Bracket



Bracket (supporting 5 meters /6 meters pole)

Manual Control Box



Manual Control Box

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Light Pole	3m Light Pole	1 Spring (White)	○		Light Pole Chuck
	4m Light Pole	1 Spring (White)+1 Spring (Green)	○	●	Light Pole Chuck
	6m Light Pole	1 Spring (White)+1 Spring (Green)	○	●	Light Pole Chuck

DS-TMG521 Series Folding Pole

Model	DS-TMG521	DS-TMG521/B
Motor	DC Brushless Motor	
Mean Time Between Failures (MTBF)	5,000,000	
Pole Type	Folding Pole	
Rising Speed	2+2m: 1.5s	2+2m: 1.5s
Falling Speed	2+2m: 3.5s	2+2m: 3.5s
Pole Direction	Direction Switchable	
Power Supply	220 VAC	
Operating Temperature	-30 °C to 70 °C	

Available Models

DS-TMG521

Baseline:

- 2+2m folding pole

Customizable:

- 1.5+1.5m folding pole
- 2.5+2.5m folding pole

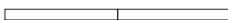


Baseline
Folding Pole

2+2m 

Customizable

Folding Pole

1.5+1.5m 
2.5+2.5m 

DS-TMG521/B

Baseline:

- 2+2m folding pole

Customizable:

- 1.5+1.5m folding pole
- 2.5+2.5m folding pole

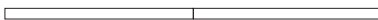


Baseline
Folding Pole

2+2m 

Customizable

Folding Pole

1.5+1.5m 
2.5+2.5m 

Accessories

Spring



φ40mm Small Size Spring (Green)



φ34.8mm Middle Size Spring (White)

Control Board



Barrier Gate Main Board



Super Capacitor Board

Chuck



Octagonal Pole Chuck



Adjustable Small Chuck

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Warning Light



Warning Light

Remote Controller



Remote Controller

Bracket



Bracket (supporting 5 meters /6 meters pole)

Manual Control Box



Manual Control Box

Coil & Vehicle Detector



Coil



Vehicle Detector

Selection Guidance

Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Folding Pole	1.5m+1.5m Folding Pole	1 Spring (White)	○		Octagonal Pole Chuck
	2m+2m Folding Pole	1 Spring (White)+1 Spring (Green)	○	●	Octagonal Pole Chuck
	2.5m+2.5m Folding Pole	2 Spring (White)	○	○	Octagonal Pole Chuck

If the boom pole remains angled and doesn't reach horizontal at the lowest limit position, replace the octagonal pole chuck with an adjustable small chunk (compatible with folding poles)

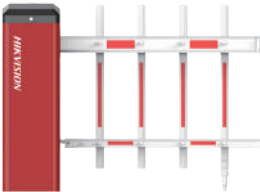
DS-TMG523 Series Fence Pole

Model	DS-TMG523		DS-TMG523/B
Motor	DC Brushless Motor		
Mean Time Between Failures (MTBF)	5,000,000		
Pole Type	Fence Pole		
Rising Speed	4m: 3s		4m: 4s
Falling Speed	4m: 6s		4m: 5s
Pole Direction	Left/Right		
Power Supply	220 VAC		
Operating Temperature	-30 °C to 70 °C		

Available Models

DS-TMG523

- Baseline:
- 4m fence pole
- Customizable:
- 3m fence pole
 - 5m fence pole



Baseline
Fence Pole

4m

Customizable
Fence Pole

3m
5m

DS-TMG523/B

- Baseline:
- 4m fence pole
- Customizable:
- 3m fence pole
 - 5m fence pole



Baseline
Fence Pole

4m

Customizable
Fence Pole

3m
5m

Accessories

Spring



φ34.8mm Middle Size Spring (White)



φ43mm Big Size Spring (Red)

Barrier Gate Case



Barrier Gate Case



Barrier Gate Case with Indicator

Coil & Vehicle Detector



Coil



Vehicle Detector

Control Board



Barrier Gate Main Board



Super Capacitor Board

Warning Light



Warning Light

Remote Controller



Remote Controller

Chuck



Big Octagonal Pole Chuck



Adjustable Big Chuck

Bracket



Bracket (supporting 5 meters /6 meters pole)

Manual Control Box



Manual Control Box

Selection Guidance

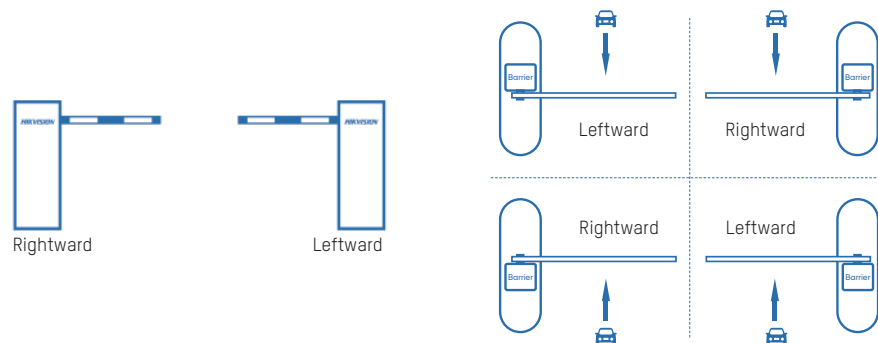
Pole Type	Description	Corresponding Spring Type and Number	Corresponding Spring		Chuck Type
Fence Pole	3m Left Fence Pole	2 Springs (White)	○	○	Big Octagonal Pole Chuck
	3m Right Fence Pole	2 Springs (White)	○	○	Big Octagonal Pole Chuck
	4m Left Fence Pole	1 Spring (Red)+1 Spring (White)	●	○	Big Octagonal Pole Chuck
	4m Right Fence Pole	1 Spring (Red)+1 Spring (White)	●	○	Big Octagonal Pole Chuck
	5m Left Fence Pole	2 Springs (Red)	●	●	Big Octagonal Pole Chuck
	5m Right Fence Pole	2 Springs (Red)	●	●	Big Octagonal Pole Chuck

If the boom pole remains angled and doesn't reach horizontal at the lowest limit position, replace the big octagonal pole chuck with an adjustable big chunk (compatible with fence poles)

Installation Guidance

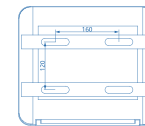
Differentiating between left and right sides of the barrier gate

The 30 Series: By default, the barrier gate is designed to differentiate between the left and right directions. You can select the appropriate model based on your specific requirements. The 42 and 52 Series: By default, the barrier gate is set for the right direction. If you need to use it in the left direction, some adjustments are necessary.

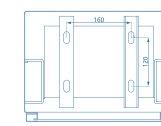


Installation of the main unit

Mark the Positions of Holes

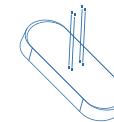


52 Series
Positioning Plate



42 Series
Positioning Plate

Install Expansion Screws



Expansion Screws

Fix the Main Unit



52 Series, 42 Series



DS-TMG52X Series Barrier
Gate User Manual



DS-TMG42X Series Barrier
Gate User Manual



DS-TMG30X Series Barrier
Gate User Manual

FAQ

Q1: What should I do if I'm unable to control the barrier gate with the remote controller?

A1:

First, check if the remote controller has batteries installed and if the batteries are charged.
Next, verify if the remote controller has been successfully learned by the corresponding barrier gate.
Additionally, check if the barrier gate is in a lock or anti-fall triggered status.
Finally, confirm if the barrier gate can be controlled by pressing the buttons on the mainboard, ensuring its proper functioning.

Q3: How can I adjust the opening and closing speed of the barrier gate?

A3:

For the 52 series barrier gates:
Press the "Rise" button to raise the pole to the limit position.
Hold down the "Learn" button until the nixie tube displays H0. Use the "Fall" button to adjust the pole to H2 status (rising speed)/H3 status (falling speed).
Hold down the "Learn" button until the nixie tube displays L3. (L3 is the fastest speed, L1 is the slowest speed)
Use the "Rise" and "Fall" buttons to adjust the speed.
Press the "Learn" button to save the current settings and exit. Press the "Learn" button again to exit from the settings.

The 42 series barrier gates do not support speed adjustment. The speed is fixed at 1.8 seconds for poles ranging from 1 to 3 meters, 2.5 seconds for poles ranging from 3.1 to 4 meters, and 5 seconds for poles ranging from 4.1 to 6 meters.

The 30 series barrier gates also lack speed adjustment functionality. The speed is fixed at 3 seconds for poles measuring 3/4 meters and 6 seconds for poles measuring 5/6 meters.



Scan the code to
get more support

Q2: What is the maximum number of remote controllers that different models of barrier gates support?

A2:

The 52 series barrier gates support up to 48 remote controllers.
The 42 series barrier gates support up to 48 remote controllers.
The 30 series barrier gates support up to 25 remote controllers

Q4: How can I integrate the barrier gate with third-party devices?

A4:

For the 52 series barrier gates:
The rising control+/-/falling control+/-/stopping control+- interface needs to receive an I/O signal. Closing the rising control+ and rising control- connections will open the gate, and vice versa. To keep the gate open, the input signal of rising control+ and rising control- should be continuously on. The gate can be closed only when the input signal disappears.

For the 42 series barrier gates:
The rising control+/-/falling control+/-/stopping control+- interface needs to receive an I/O signal. Closing the rising control+ and rising control- connections will open the gate, and vice versa. To keep the gate open, the input signal of rising control+ and rising control- should be continuously on. The gate can be closed only when the input signal disappears.

For the 30 series barrier gates:
The Open/Close/Stop/GND interface needs to receive the I/O signal. Closing the Open and GND connections will open the gate. To keep the gate open, the input signal of Open and GND should be continuously on. The gate can be closed only when the input signal disappears.

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