

HIKVISION[®]

Hikvision Barrier Gate 52 Series

Unlock the power of secure access



DS-TMG52X

High-end

DS-TMG52X High-end

Barrier gates create efficient and helpful entry & exit management for vehicle traffic. They are affordable and cost effective for users, and readily familiar for drivers in commercial and residential areas around the world – from apartment buildings to office complexes, school campuses, and more.

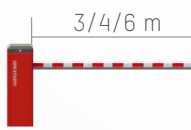
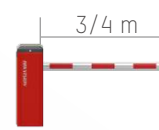
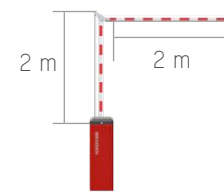
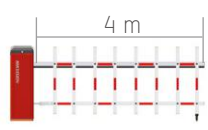
At Hikvision, we continually strive for innovation in all that we do. Looking closely, you will find that our barrier gates stand out from the competition for their cost, performance, and longevity.

And now, our latest entrants – the 52-Series Barrier Gates – take traffic management to a new level. The 52-Series gates feature **simple installation and maintenance**, and boast **reliable long-term operation**. Equipped with a **planetary gear**, **power-off lift**, and **sloping roof**, these gates enhance efficiency and eradicate risks.




Read on to see how the 52-Series Barrier Gates from Hikvision can open up new possibilities in your vehicle management application today.

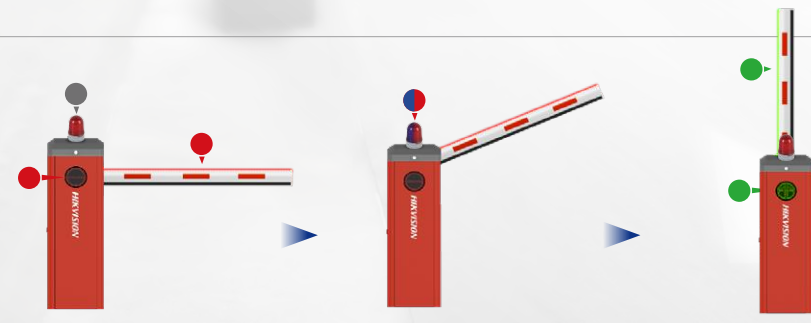
Exceptional boom poles

Booms in the 52 Series are available in various types and lengths to suit virtually any aesthetic or functional requirement.

	Straight octagonal	Anti-collision cylinder	Curved	Fence
				
Model	DS-TMG520		DS-TMG521	DS-TMG523
Type	Straight Octagonal	Cylinder (Anti-collision customizable)	Curved	Fence
Length	3/4/6 m (2/5 m customizable)	3/4 m	2+2 m (1.5+1.5/2.5+2.5 m customizable)	4 m
Rising Speed	0.9/1.5/4 s	0.9/1.5 s	1.5 s	3 s
Falling Speed	3/3.5/6 s	3/3.5 s	3.5 s	6 s

Functional indicators

-  **Strip Lights**
-  **Warning Lights**
-  **Arrow Indicators**

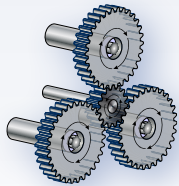


closed **opening** **open**

Warning Lights: Red and blue lights flash

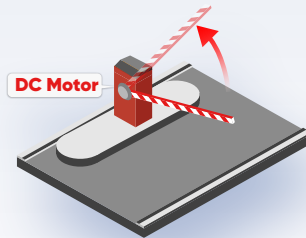
Strip Lights: Red light turns to green
Arrow Indicators: Red light turns to green

Key Features



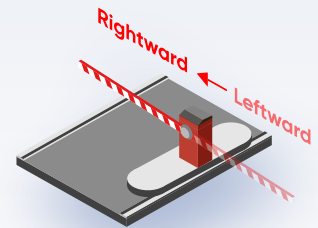
Planetary gear

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



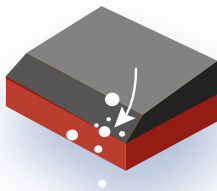
DC frequency conversion

Fast lift, slow drop, and fluid operation with DC frequency conversion technology



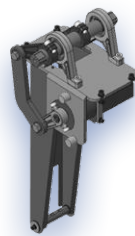
Direction switch

The pole direction can be switched manually to facilitate more flexible design and installation options.



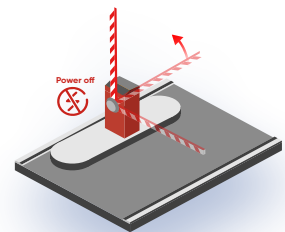
Sloping Roof

Designed to reduce the risk of control box failure caused by roof condensation



Modular design

The modular design enables more convenient installation and maintenance



Power-off lift

To ensure vehicle entry after power outage, the gate will automatically lift, powered by a super capacitor*.

*Capacitors require an additional order.



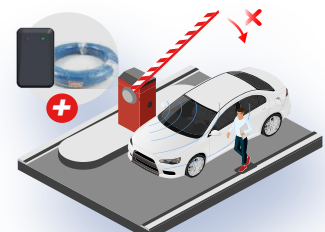
Auto rebound

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



Remote control

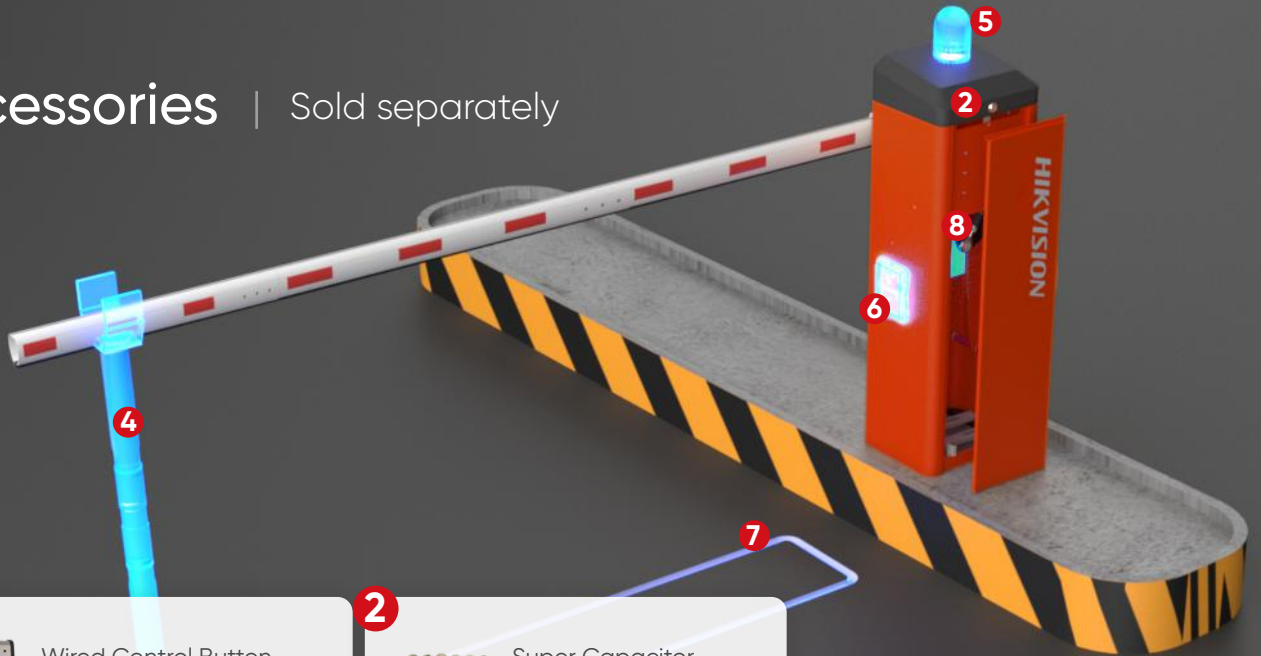
In addition to software control, the remote controller supports emergency response when the barrier gate is offline.



Multiple anti-fall protections

Compatible with **IR intrusion**, **solenoid coil**, and **MMV radar** for anti-fall protection.

Accessories | Sold separately



- 1**



Wired Control Button
Operators use this to control the barrier from the booth.
- 2**



Super Capacitor
To ensure vehicle entry after power outage, the gate will automatically lift.
- 3**



Remote Controller
Operators can remotely control the road gate switch wirelessly within 30 meters (two controllers in pack).
- 4**



Barrier Arm Scaffold
Installed at the end of straight poles to prevent failing. (5 or 6 m models are included with purchase)
- 5**



Warning Light
Red and blue lights flash when the gate opens to alert pedestrians and vehicle drivers.
- 6**



Anti-Fall Radar
Millimeter-wave radar technology detects moving objects and prevents collisions with pedestrians & vehicles
- 7**

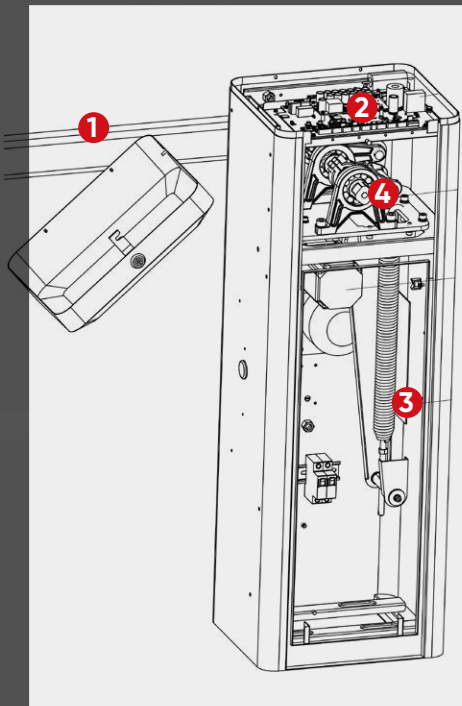







Anti-Fall Coil
When vehicles pass, the Anti-Fall Coil signals the detector to maintain elevation as needed.
- 8**



Vehicle Detector
Converts electromagnetic signal to digital and outputs to camera or barrier gate to prevent accidental fall.

Spares | Included with purchase



No.	Spares	Images
1	Boom Pole	
2	Control Board	
3	Spring	
4	Main Mechanical Structure	
5	Remote Controller	

FAQs

How many remote controllers does one barrier gate support?

The baseline support for a single gate is up to 48 remote controllers. Higher versions feature more controllers and support customization.

Do the gates support power-off lift?

By default, they do not support no-power lifting. An additional super capacitor is needed for that function.

How can I integrate my gate with third-party equipment?

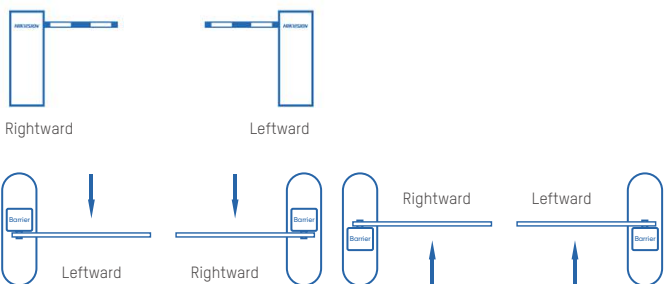
The switch ports corresponding to the control barriers are rising control \pm ports and falling control \pm ports. The barrier gates support pulsed closing signals only, while continuous closing signals will cause a barrier gate to lock.

What is the maximum range for the remote control?

In an open environment for remote control, the maximum operating distance can reach up to 80 meters.

How do I distinguish the left and right sides of the barrier gate?

Factory default is to the right. To reverse the direction, instructions can be provided in a technical document.



How can the barrier gate lift speed be adjusted?

Follow these steps to adjust the lift speed:

1. Press "Rise" to let the boom pole rise to the fully raised position.
2. Hold "Learn" until the nixie tube displays H0. Press "Fall" to adjust the boom pole to H2 status (rising speed) / H3 status (falling speed).
3. Hold "Learn" until the nixie tube displays L3. (L3 is the fastest, L1 is the slowest)
4. Press "Rise/Fall" to adjust the speed.
5. Press "Learn" to save the current settings and exit.
6. Press "Learn" again to exit settings.



Product specifications

Barrier Housing Specifications

Material	SECC
Boom Pole Height	880 mm
Material Thickness	2.0 mm
Metal Door Thickness	1.5 mm
Color	Orange
Surface Protection	Outdoor powder spraying

General Specification

Motor Type	24 VDC brushless
Design Lifespan	5 million uses
Remote Control Freq.	433 MHz
Ingress Protection	IP54
Power Supply	220 VAC \pm 15%
Consumption	300 W
Weight	59.3 \pm 5 kg (130.7 \pm 11.0 lb)
Package Dimensions	1,248 \times 486 \times 480 mm (49.1 \times 19.1 \times 18.9 inch)
Dimensions	1,128 \times 349 \times 299 mm (44.4 \times 13.7 \times 11.8 inch)



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