

DS-TMG420/A Barrier Gate with Straight Boom Pole



DS-TMG420-X series barrier gate is applicable to entrance and exit management. It is widely used in road toll stations, parking lots, communities, enterprise entrances and exits, etc. to manage the entering and exiting of vehicles and record vehicle passing times. It can be controlled automatically via parking lot management system, or via handle, remote controller, button, etc.

- Adopts integrated machine core. Parallel gear decelerates linkage arm transmission to ensure stability and efficiency.
- Supports convenient side installation with compact structure.
- Adopts quenching process for carbon steel gear to realize wear-resistant and impact-resistant functions and extend product life.
- Adopts small DC brushless motor with low noise to increase output torque and realize precise intelligent control.
- Supports rebound for obstacle and opening priority.
- Adopts DC variable frequency control to enable smooth operation with fast boom pole opening and slow boom pole closing.
- Supports event log to enable convenient monitoring.
- Supports multiple anti-fall modes such as IR, vehicle detectors, and radars.
- Supports fault code detection on the nixie tube, log record, and abundant status indicating. Based on the fault code displayed on the nixie tube, you can realize quickly problems locating and maintenance.
- Supports manually opening boom pole. You can turn hand wheel to keep barrier gate opening during power cutoff.
- Delayed boom pole closing (10 s delay time by default). Supports 99 shifts (initial status 2 s, 2 s gap between each shift).
- Supports auto boom pole opening during power cutoff. The barrier gate can open automatically to allow fire trucks in (optional components required).
- Intergated with strip light to show barrier gate status



Specification

Barrier Housing Material SGC Barrier Housing Thickness 1.5 mm Barrier Housing Door Thickness 1.5 mm Barrier Housing Door Thickness 1.7 mm Barrier Housing Door Tolickness 1.7 mm Boom Pole Installation Height 885 mm Body Indicators with body indicator. Green: arrow indicator. Red: prohibition indicator Barrier Gate General 855 mm Boom Pole Direction Right by default, direction switchable Motor Type DC brushless motor Matched Boom Pole Type Octagonalstraight boom pole: 3 to 4 m Rising/Falling Speed 3 to 3 m; 3,4 to 4 m; 3 s Boom Pole Falling Delay 10 s by default (configurable), min. 2 s (every 2 s followed a gap) Number of Cycles 5,000,000 Working Voltage 220 VAC Consumption Max. 139 W Temperature and Humidity Temperature: -30 °C to 60 °C (-22 °F to 140 °F), Humidity: ≤ 90% Rising Boom Pole for Poweroff Optional, not supported by default Package Barrier Housing Dimensions (L* W × H) Body Weight 43 ± 3 kg (94.8 ± 6.61 lb.) Body Weight (with	opecinication .		
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Without Boom Pole) Interface RS-485 1 group Rising to Limit 1 group Open 1 group Close 1 group Stop 1 group IR/Vehicle Detector/Radar 1 group Traffic Signal Light 1 group, external power supply required, max. 220 VAC supported Approval EN 300220-1 V3.1.1 EN 300220-2 V3.1.1 EN 301489-1 V2.2.3 EN 301489-3 V2.1.1 EN 301489-3 V2.1.1	Body Weight (with Package,	47 + 3 kg (103 61 + 6 61 lb)	
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Stop 1 group IR/Vehicle Detector/Radar 1 group Traffic Signal Light 1 group, external power supply required, max. 220 VAC supported Approval CE-RED EN 300220-1 V3.1.1 EN 300220-2 V3.1.1 EN 301489-1 V2.2.3 EN 301489-3 V2.1.1	Open	1 group	
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EN 300220-1 V3.1.1 EN 300220-2 V3.1.1 EN 301489-1 V2.2.3 EN 301489-3 V2.1.1	Approval		
RF EN 300220-2 V3.1.1 EN 301489-1 V2.2.3 EN 301489-3 V2.1.1		CE-RED	
EN 301489-1 V2.2.3 EN 301489-3 V2.1.1	RF	EN 300220-1 V3.1.1	
EN 301489-1 V2.2.3 EN 301489-3 V2.1.1		EN 300220-2 V3.1.1	
		EN 301489-1 V2.2.3	
EN IEC 62311: 2020		EN 301489-3 V2.1.1	
		EN IEC 62311: 2020	



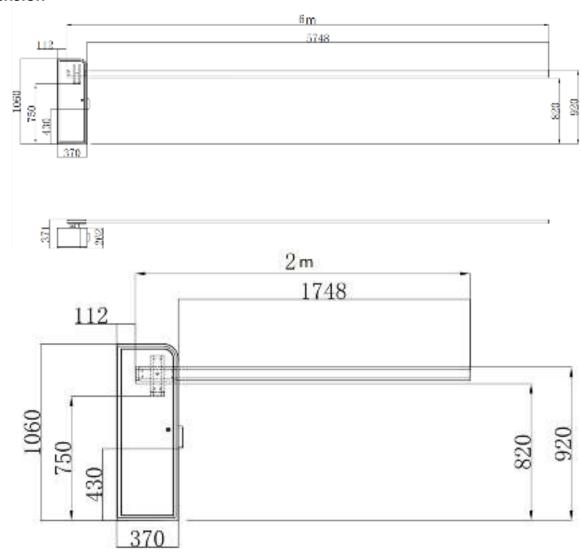
EMC	CE-EMC:
	EN 55032: 2015/A11: 2020 + A1: 2020,
	EN IEC 61000-3-2: 2019/A1: 2021,
	EN 61000-3-3: 2013 + A1: 2019/A2: 2021,
	EN 50130-4: 2011 + A1: 2014
Security	CE-LVD:
	EN 62368-1: 2014/A11: 2017
	CB:
	IEC 62368-1: 2014
	IEC 62368-1: 2018
Environment	ROHS
Protection	IP54, IK09
Boom Pole	
Boom Pole Color	White background with red bar
Boom Pole Weight	3 m boom pole with LED strip light: 3.4 ± 0.3 kg (7.50 ± 0.66 lb.)
	4 m boom pole with LED strip light: 4.4 ± 0.3 kg (9.70 ± 0.66 lb.)
Boom Pole Dimensions (with	3 m boom pole with LED strip light: $100 \times 60 \times 3035$ mm ($3.94 \times 2.36 \times 120.07$ inch)
Package)	4 m boom pole with LED strip light: $100 \times 60 \times 4035$ mm (3.94 × 2.36 × 159.45 inch)
Boom Pole Weight (with	3 m boom pole with LED strip light: 4.0 ± 0.3 kg (8.82 ± 0.66 lb.)
Package)	4 m boom pole with LED strip light: 5.2 ± 0.3 kg (11.46 ± 0.66 lb.)
	with LED strip light, green indicator for boom pole opening status
	Boom pole other status: red indicator
Color of Boom Pole with LED	Photometric parameters:
Strip Light	Red: luminous flux 39.44 lm, light effect 17.86 lm/W
	Green: luminous flux 107.56 lm, light effect 45.65 lm/W
	Working life (lighting time): 5800 h
Boom Pole Dimensions	3 m boom pole with LED strip light: $95 \times 49 \times 3013$ mm (3.74 × 1.93 × 118.62 inch)
	4 m boom pole with LED strip light: $95 \times 49 \times 4013$ mm (3.74 × 1.93 × 157.99 inch)
Boom Pole Material	AL6061

Available Model

DS-TMG420/A(3 m light pole) DS-TMG420/A(4 m light pole)

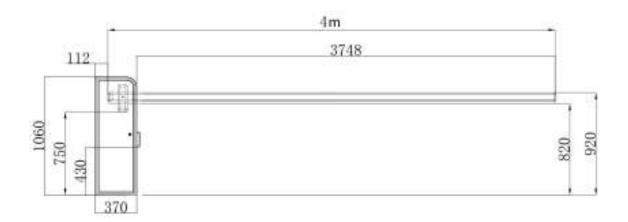


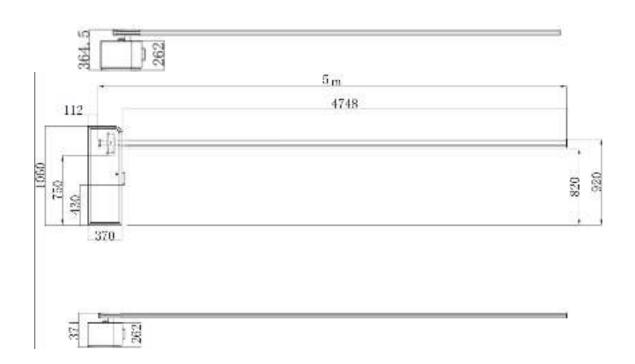
Dimension



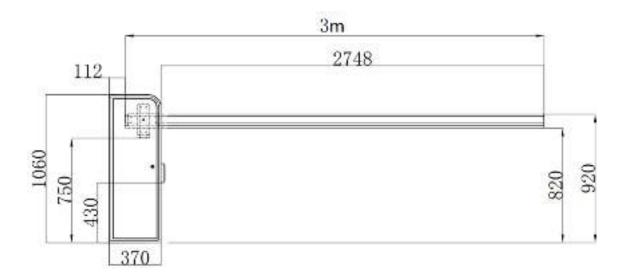














Unit: mm

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