

NEXA GATE SERIES

NX-BR735

High-Speed Boom Barrier

TIER 7 ELITE



3.5 m

ANTI-COLLISION
ARM

0.9 s

OPENING
TIME

8M

CYCLE
LIFECYCLE

IP54

PROTECTION
RATING

01 OVERVIEW

High-speed boom barrier that opens in 0.9 seconds, for busy corporate lanes, toll and express lanes. Aluminium anti-collision arm up to 3.5 m, 250 W brushless drive and 8 million-cycle lifecycle.

02 KEY FEATURES

01 0.9 s opening for high-traffic and toll lanes

Clears the lane fast enough to keep a queue moving at peak hours.

02 Aluminium anti-collision arm, up to 3.5 m

The anti-collision arm limits damage if a vehicle strikes the boom.

03 250 W DC 24 V brushless drive

The 250 W drive is built for the duty cycle of a toll or express lane.

04 8,000,000-cycle lifecycle, IP54

Rated for continuous high-frequency operation, sealed to IP54.

03 TYPICAL APPLICATIONS

Toll Plazas

Express Lanes

Corporate Head Offices

Ports & Terminals

High-Traffic Gates

Bridges

04 RECOMMENDED SOLUTION

Toll & Express Lane

BRIDGES, TOLL PLAZAS, PORTS

NX-BR735

NX-VR310

NX-TD510-E

NX-PT510

0.9 s barrier for manual or QR toll payment.

05 TECHNICAL SPECIFICATIONS

CABINET	
Housing dimensions	222 × 300 × 1020 mm
Housing thickness	1.5 mm + 1.2 mm
Housing material	Painted carbon steel
DRIVE	
Movement	Die-cast aluminium alloy, integrated casting
Transmission	Helical gear drive, carburised gearbox gears
Motor	DC 24 V brushless
ELECTRICAL	
Power input	220 V AC ±10%, 50–60 Hz
Power consumption	250 W
ARM	
Arm type	Aluminium anti-collision straight arm
Arm length	Up to 3.5 m
PERFORMANCE	
Opening / closing time	0.9 s
Lifecycle	8,000,000 cycles
APPLICATION	
Recommended use	High-traffic lanes, toll and express lanes (short arm)

CONTROL	
Communication	RS485
Control input	Dry contact
Remote control	430 MHz, range up to 30 m, up to 50 remotes per barrier
Status indicator	On-cabinet LED indicator
ENVIRONMENT	
Protection rating	IP54
Operating temperature	–20 °C to +70 °C
Operating humidity	20%–95%, non-condensing
SAFETY	
Obstruction protection	Auto-reverse when an obstruction is detected
Safety inputs	Inputs for ground loop detector and infrared photocell
Power failure	Manual release by key
INTEGRATION	
System integration	Works with ANPR cameras, UHF readers, access controllers and parking software
OPTIONS	
Optional accessories	UPS battery backup; LED light strip on arm; infrared safety beam NX-SF310; vehicle detection radar NX-VR310
COMPLIANCE	
Certification	CE

Values shown as "up to" or "typical" are indicative industry figures, not tested results. Confirm critical values with your Nexakey distributor before tender.

06 ACCESSORIES & RELATED MODELS

NX-VR310 Vehicle Detection Radar	NX-TD510-E Parking Exit Terminal	NX-PT510 Parking Management Server
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07 WARRANTY & SUPPORT

Exclusive Distributor DigiMark Solution is the exclusive Nexakey distributor for Bangladesh. Warranty is registered and serviced locally — no overseas RMA.	Nationwide Service Service and spare-part support through branches in Dhaka, Chattogram and the divisional offices.
Installation & Commissioning Site survey, installation and commissioning by trained engineers, with handover training for your security team.	Spare Parts Held Locally Fast-moving parts stocked in Dhaka to keep lane downtime short.

08 ORDERING INFORMATION

MODEL	DESCRIPTION	AVAILABILITY
NX-BR735	High-Speed Boom Barrier	Indent Order
NX-VR310	Vehicle Detection Radar	Indent Order
NX-TD510-E	Parking Exit Terminal	Indent Order
NX-PT510	Parking Management Server	Indent Order

Availability indicative. Confirm lead time and warranty terms with your exclusive Nexakey distributor at order. Prices on request.