

NEXA GATE SERIES

NX-SF310

Infrared Safety Beam

TIER 3 ESSENTIAL



10 m

DETECTION
DISTANCE

12–24 V

AC / DC
SUPPLY

NO / NC

RELAY
OUTPUT

IP65

PROTECTION
RATING

01 OVERVIEW

Infrared through-beam photocell pair that stops the boom closing on a vehicle or person in the lane. Simple relay output, works with every NEXA GATE barrier, and needs less maintenance than a light curtain.

02 KEY FEATURES

01 Transmitter + receiver pair

Transmitter and receiver mount either side of the lane and align in minutes.

02 Stops the arm closing on vehicles and people

Holds the boom up while anything is still in the beam.

03 Relay output NO / NC

Relay output wires straight into the barrier safety input.

04 Lower failure rate than a light curtain

Fewer optical elements than a light curtain means fewer faults and less cleaning.

03 TYPICAL APPLICATIONS

Barrier Lanes

Basement Car Parks

Factory Gates

Apartment Entrances

Hospitals

Toll Lanes

04 RECOMMENDED SOLUTION

Basement Car Park

LOW-CEILING BASEMENTS

NX-BR545-F

NX-BR560-F

NX-SF310

NX-VR310

Folding arm clears low ceilings safely.

Factory & RMG Gate

FACTORIES, EPZS, GATED COMMUNITIES

NX-BR540-G

NX-SF310

NX-RC320

Fence arm stops people and bikes ducking under.

05 TECHNICAL SPECIFICATIONS

TYPE	
Product type	Active infrared through-beam, transmitter + receiver pair
PERFORMANCE	
Detection distance	Up to 10 m
ELECTRICAL	
Power supply	12–24 V AC/DC
INTERFACE	
Output	Relay, NO / NC

ENVIRONMENT	
Protection rating	IP65
APPLICATION	
Function	Prevents the boom closing on a vehicle or person in the lane
Advantage	Lower failure rate and easier maintenance than a light curtain
COMPATIBILITY	
Works with	All NEXA GATE boom barriers

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-BR360-T Boom Barrier	NX-BR545-F Boom Barrier
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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-SF310	Infrared Safety Beam	Indent Order
NX-VR310	Vehicle Detection Radar	Indent Order
NX-BR360-T	Boom Barrier	Indent Order
NX-BR545-F	Boom Barrier	Indent Order

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