

Comet Series

Comet-S1000 & S1200

Experience a new level of safety with this compact design speed gate









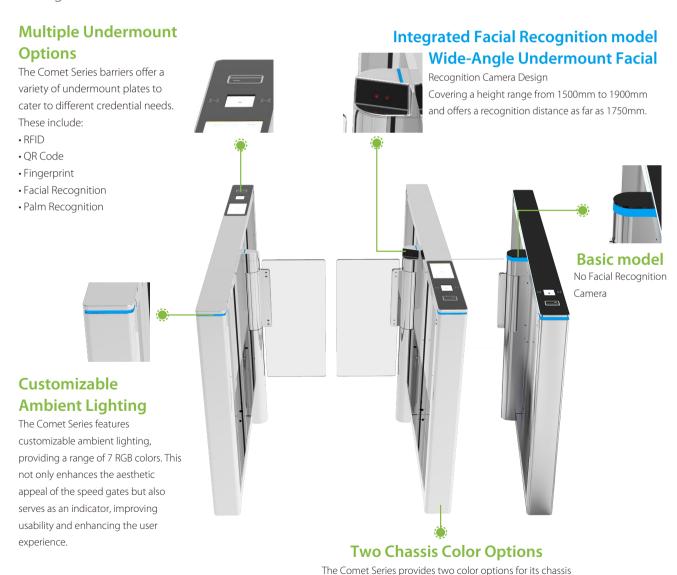






Introduction

The Comet Series by ZKTeco is an innovative multi-credential speed gate featuring a sleek, transparent design that fits seamlessly into corporate settings. Available in single-lane and double wings versions, these gates combine advanced functionality with a lightweight yet robust chassis made of distinctive cast aluminum alloy. They offer customizable ambient lighting with 7 RGB colours and are designed for easy installation. The Comet Series revolutionizes facial recognition with eight undercount options and an ultra-wide-angle lens, ensuring optimal performance for individuals of varying heights, including children and seniors with wheelchairs. The series supports biometric, RFID, and QR code options, and offers flexible lane combinations and diverse material choices to meet specific requirements. Security is enhanced with locked positions, clutch engagement, and automatic barrier opening in emergencies.



Silver (SLK) Gold (GD)

^{*} Note: The illustration shows the under mount facial recognition.

Key Features

Aesthetic Appeal

The Comet Series, the newest addition to ZKTeco's barrier line, features an elegantly slim and transparent design that seamlessly integrates into various indoor environments.

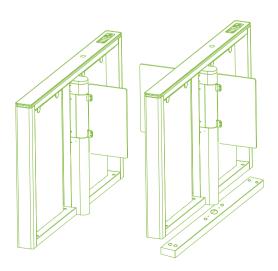
Innovative Cast Aluminium

We harness cutting-edge technology to forge a distinctive aluminium alloy for the barrier chassis. This fusion results in a product that combines the lightweight properties of aluminium with the robustness of an alloy.

Installation-Friendly Design

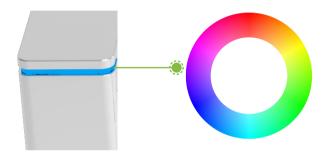
The Comet Series is designed for ease of installation, featuring newly developed installation rails that can be pre-installed.

The barrier is simply placed on the fixed rail to complete the installation, significantly reducing installation time.



Ambient LED Visual Indicator

An embedded LED strip is situated along the barrier's side, offering a spectrum of 7 RGB colours and a range of visual effects. This feature is fully customizable to meet our customer's unique preferences.



Multi-Credential Compatibility

The Comet series barrier comes with eight different under-mount lid designs and two top-mount accessory sets, offering a variety of credential options including biometric (Face, Fingerprint), RFID and QR codes (steady and dynamic). Customers can select the options that best meet their needs.







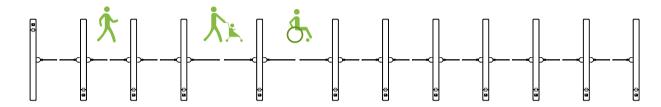






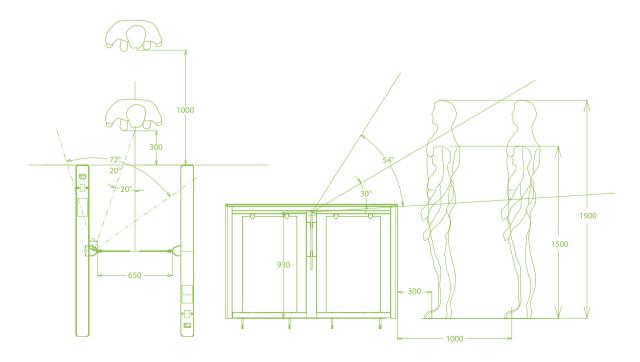
Flexible Lane Combination and Options

To cater to diverse installation environments, the Comet series is available in two models: Comet-S1000 & S1200. These can be combined to create multiple-lane solutions. Additionally, the Comet series offers several leaf options in sizes ranging from 800mm to 1200mm and in different materials like tempered glass and acrylic, offering the flexibility to meet our customers' specific requirements.



Streamlined Facial Recognition System Integration

To achieve an optimal balance between streamlined design and functionality, we've reimagined our facial recognition system. By repositioning the monitor, PCB, and camera, we've enhanced performance. The camera is strategically placed just above the movement mechanism, offering a superior viewing angle that accommodates individuals of varying heights, including children, the elderly, and people with disabilities.



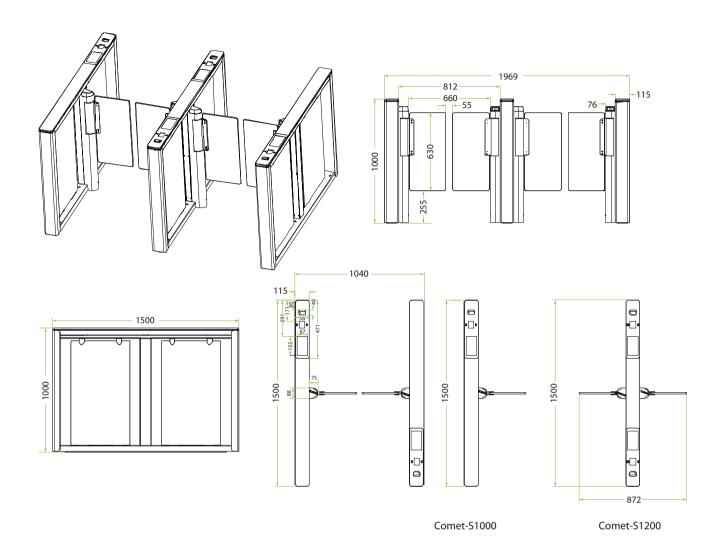
LED stip along the lid // Colour RGB, Customizable)	Model	Comet-S1000	Comet-S1200	
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Audio Indicator Audio Indicator Display 1 Or 277* ISP touch monitor (under mount facial recognition version only) Lane Type Single Iane Dual wings (with comet-1000) Controller Dual wings (with comet-1000) Eane Width Somm (standard) Somm (optional) Barrier Movement Type Notor DC brushless motor Movement Speed O.8s per movement(open/Close timing) Movement Accuracy S15 Degree per movement Clutch Mechanical clutch for anti-panic /anti-collision Lid Material Tempered glass (black) (standard) Streamlined under mount options fingerprint+PFID+QR Code) / facial recognition with display Top mount option: mounting pole (compatible with ProFace X / SpeedFace VSL/ Elite Pass) Chassis Material Chassis Colour Door Leaf Material Clear acrylic (H*W 63:07-295*mm) R Sensors System configuration, access mode configuration, anti-tailgate configuration Autherboard Function Motherboard Communication Fire alarm port(relay)* 1, 8485 port*1, PGIC controller (secommendation) Under mount RFID reader (support mode) ProIDs series, Amanus B PIO & Armatura BP20 series) under mount QR code readers (SRS0) Under mount facial recognition terminal: GR Pro Top mount facial recognition terminal: GR Pro	Visual Indicator	· -		
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Power Rating 20VA (stand by) 120VA (operation)	Accessibility	_	·	
Power Rating 120VA (operation)	Power Supply	110V / 220V AC	110V / 220V AC @ 50Hz to 60Hz	
	Power Rating			
	Fire Signal			
Noise Level Less than 60dB	Noise Level	Less than 60dB		

MTTR	Less than 60minutes		
MCBF	6 Millions		
Weight	Gross weight (130kg) Net weight (100kg)	Gross weight (80kg) Net weight (65kg)	
Dimension	1500*115*1000mm (L*W*H) (standard)		
Operating Temperature	-28°C to 60°c		
Operating Humidity	95% RH (non-condensing)		
Certifications	CE, FCC		
Ingress Protection Rating	N/A (waterproof and dustproof) N/A (barrier only) (vandal ressistant)		
Supported Software	ZKBio Access / ZKBio CVSecurity (depends on equipped access controller)		
Safety Features	Safety force sensing Lower safety sensors Accurate presence sensing Emitter/ receiver infrared sensors technology Logic voltage 24V DC Voltage free contact input for fire alarm fail state Auto opening on power off Anti-panic push opening in operation Wide walkway for wheelchair or easier access Accompanied wheelchair or child passage management (under mount facial recognition version)	Safety force sensing Lower safety sensors Accurate presence sensing Emitter/ receiver infrared sensors technology Logic voltage 24V DC Voltage free contact input for fire alarm fail state Manual push opening on power off Anti-panic push opening in operation Wide walkway for wheelchair or easier access Accompanied wheelchair or child passage management (under mount facial recognition version)	
Security Features	Anti-intrusion, Anti-tailgating, Wrong way enter alarm, Automatically close door no one pass		
Product Delivery	Pre-assembled		
Application Environment	Indoor		
Site Preparation	Flat & level finished floor (base plate in options for unfinished floor)		

Color Options



Dimensions (mm)



Application Scenarios









Office Building

Conference

Hotel

Station

