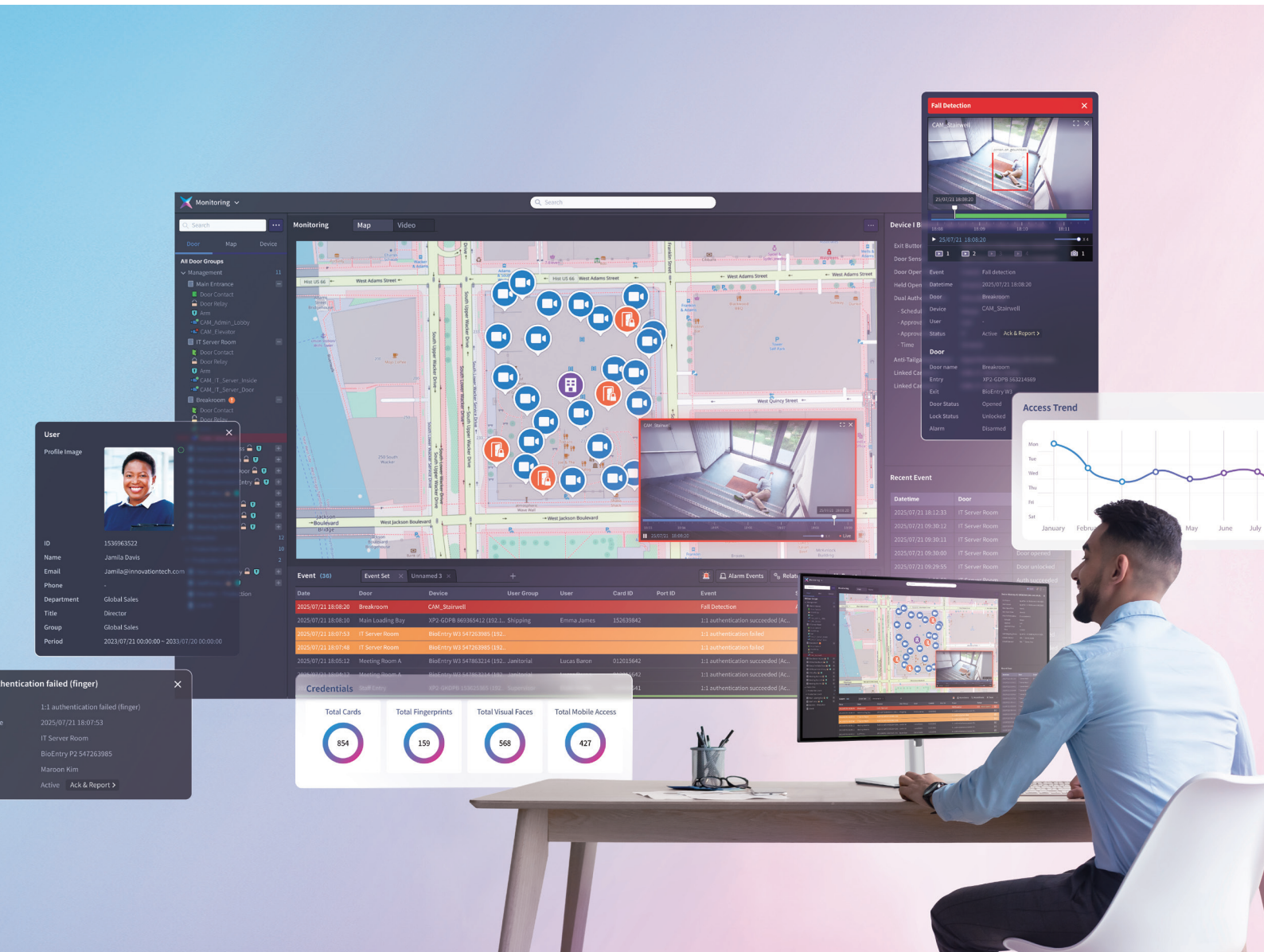


BioStar X

One Platform. Total Confidence.

BioStar X is Suprema's unified security platform, featuring best-in-class biometric access, integrated monitoring, and a resilient backbone built for scale, uptime, and compliance.

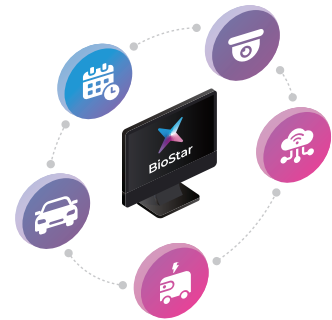




One screen for total awareness and action.



Infrastructure that grows stronger as you scale.



X is where integration meets no limits.

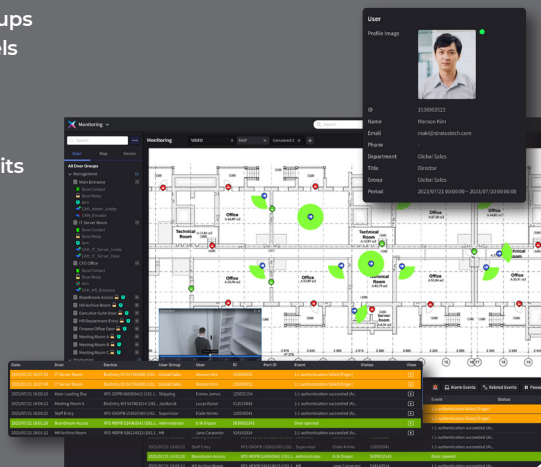
Total control, over who, where and when.

From lobby to rooftop, BioStar X lets you own every access point with a surgeon's precision. Schedules, zones, fire alarms, floors... You're not just managing doors. You're orchestrating movement.

Core access structure at scale

Managing hundreds of doors or thousands of users? BioStar X was designed to grow, without ever becoming unwieldy.

- Access groups
- Access levels
- Floor levels
- Schedules
- Holidays
- Access audits



Advanced AC

Enforces behavioral policies, safety standards, and emergency protocols with powerful zone logic.

- Anti-passback
- Fire alarm
- Interlock
- Schedule lock and unlock
- Occupancy
- Muster
- Intrusion alarm

Emergency management

BioStar X makes it easy to respond fast with just one button push or tap on your phone.

- One-click lockdown
- Emergency unlock rules
- Access override tools
- Roll Call

Multi-credential. One user, multiple ways in.

Whether it's staff, contractors, or visitors, BioStar X supports multi-credential and every access method you need to keep your operation moving.



Always on, intelligence that makes moves.

BioStar X blends AI detection, live video, and zone-level control into one unified monitoring console. Whether you're securing a single floor or a sprawling site, it gives you full visibility and rapid response. Less noise. More brains.

Unified monitoring console

BioStar X makes it easy to visualize activity by door, device, or full facility maps with live status indicators.



VMS integration

ADD-ON

Connect your VMS to monitor live camera feeds and link access and security events to recorded footages.

Event-driven alerts & responses

Monitor, investigate, and resolve events in a purpose-built interface with real-time controls and logs.

- Real-time alerts
- Live door control
- One-touch emergency actions
- Linked events

AI-based monitoring enhancements.

Advanced video intelligence and automation, built right into BioStar X. *VMS Integration required.



Tailgating

Catch unauthorized follow-ins, in real time.



Intrusion

Instantly detect off-hours or unapproved access.



Fall

React fast to potential safety incidents.



Loitering

Identify unusual lingering behavior automatically.



Abandon

Automatically detect and alert on unattended items for faster, safer response.

Rock-solid security for Real operations.

With AES-256 encryption, role-based permissions, and 50+ security event triggers, BioStar X runs tight security from core to edge. Built for the real world, where peace of mind and compliance are non-negotiable.

Multi-communication server

Handles more devices with less strain by distributing tasks across parallel comm servers. Resource sharing ensures smooth scaling and high performance, even in large deployments.

Granular role-based access permissions

End-to-end encryption

All system communications, from server to device to client, are encrypted using protocols like AES 256, TLS 1.2, HTTPS, and secure RS-485, ensuring data integrity across every channel.

Global compliance ready

BioStar X aligns with ISO 27001, ISO 27701, GDPR, and the EU NIS2 Directive to ensure international best practices in data protection, encryption, and privacy management.

Failover clustering (TBA)

Comprehensive audit trails and reporting

Secure tamper on Suprema devices

Detects pry, open, and removal events in real time, triggering alerts and automated responses. Upon detection, onboard wipe irreversibly clears data and configurations from the device.

Main server requirements

Item		Small	Medium	Enterprise
Usage Environment	Total Devices	1 to 50	51 to 100	101 to 1,000
System Requirement	Operating System	Windows 10, Windows 11, Windows Server 2016, Windows Server 2019, Windows Server 2022		
	Database	MariaDB 11.4.4, MS SQL Server 2012 SP3, MS SQL Server 2014 SP2, MS SQL Server 2016 SP1, MS SQL Server 2017, MS SQL Server 2019, MS SQL Server 2022		
	CPU	2.3 GHz 6-core	2.3 GHz 8-core	Minimum 2.3 GHz Recommended 4.0 GHz 16-core
	RAM	16 GB	32 GB	Minimum 64 GB Recommended 128 GB
	SSD	512 GB	512 GB	1 TB
	HDD	When using the feature, 200 GB is required for 10 million image logs.		

Licensing

The base license is a required component that must be purchased to activate and operate the system. It serves as the foundation upon which additional features and upgrades can be applied.

	Starter	Essential	Advanced	Enterprise	Elite
Max. doors	5	32	128	500	2,000
Max. users	100	1,000	50,000	100,000	500,000
Max. operators	1	10	20	40	100
Upgrades*	-	✓	✓	✓	✓
Maps	-	-	✓	✓	✓
Video	-	-	Add-on	Add-on	Add-on
Advanced AC**	-	-	Add-on	✓	✓
Multi-comm servers	-	-	Add-on	Add-on	Add-on
GIS map	-	-	Add-on	Add-on	Add-on
Server matching	-	-	Add-on	Add-on	Add-on
Visitors	-	-	Add-on	Add-on	Add-on
Active directory	-	-	Add-on	Add-on	Add-on
Roll call	-	-	Add-on	Add-on	Add-on
T&A	Add-on	Add-on	Add-on	Add-on	Add-on
Mobile app	Add-on	Add-on	Add-on	Add-on	Add-on
Event log API	Add-on	Add-on	Add-on	Add-on	Add-on
Remote access	Add-on	Add-on	Add-on	Add-on	Add-on
BioStar X Plugin	Add-on	Add-on	Add-on	Add-on	Add-on

* Capacity upgrades are available for Door, Users, and Operators.

** Global APB, Global Fire Alarm, Intrusion Alarm, Mustering, Occupancy Limit, Elevator, Interlock.



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