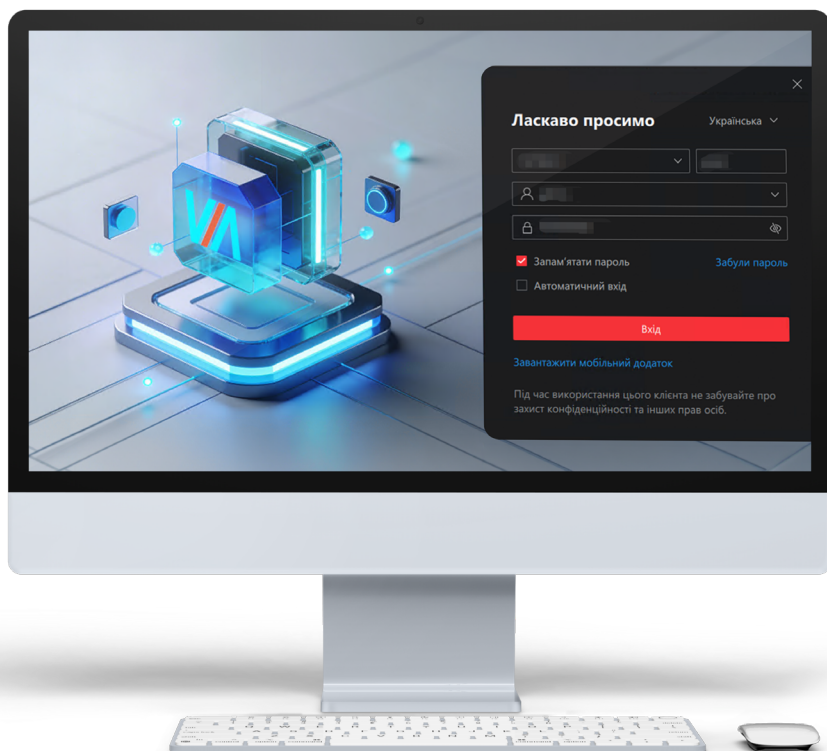


Viasecurity Control Center



The Viasecurity Control Center is a comprehensive, integrated software platform designed specifically for Small and Medium-sized Businesses to centralize and streamline security operations.

Serving as a reliable hub, it seamlessly merges high-end video surveillance with sophisticated access management to safeguard enterprise assets and simplify complex protection tasks.

The platform features optimized surveillance with intelligent stream adjustments, high-capacity media storage, and AI-assisted tools like DeepSearch and TargetTrace for immediate event retrieval and automated people/vehicle management.

Designed for robust on-site management, the platform ensures broad hardware compatibility by supporting standard communication protocols. This allows for the seamless integration of third-party cameras and recorders from various manufacturers into a unified security ecosystem.

Key Capabilities

- ✓ Integrated video and access control
- ✓ Smooth, lag-free smart streaming
- ✓ DeepSearch & TargetTrace
- ✓ Automated People and Vehicle list synchronization
- ✓ Easy visual camera (PTZ) controls
- ✓ Flexible access management
- ✓ Live door monitoring and video logs
- ✓ Seamless third-party integration via ONVIF protocols

SOFTWARE SPECIFICATIONS

MANAGEABLE RESOURCES

Cameras (Including cameras accessed by ONVIF protocol and third-party cameras)	128 (No more than 8 ANPR cameras and 16 cameras for face picture comparison and body recognition are allowed.)
Doors	32
External Streaming Servers	64

ACCESS CONTROL

Persons	500
Cards	1500
Profile Pictures	500
Fingerprints	1000

INTELLIGENT RECOGNITION

Face Picture Libraries	64
Face Pictures	2000

MAIN PANEL FOR MONITORING AND CONTROL

Resources in One View	64
Resources in Multiple Views	256
Areas	256
Map	Total E-Maps: 16, Maps in One View: 4

USERS, ROLES, AND PERMISSIONS

Local Users	128
Cloud Users	128
Roles	64
Online Users on Desktop	64
Online Users on Mobile Clients	64

EVENT AND ALARM

Events Receiving	20/s
Number of Alarm Rules	1000
Speed of Pushing Alarms / Events / Notifications from Server to One Client	20/s

DATA STORAGE

Video Storage Throughput	600 Mbps
Retention Period of Captured Faces, ANPR Records, Events, Intelligent Analysis Data, Access Records, and System Logs	3 Years
Storage Capacity (including captured faces, ANPR records, events, intelligent analysis data, access records, and system logs)	10 million

SYSTEM REQUIREMENTS

Server	Microsoft® Windows Server 2025 Microsoft® Windows Server 2022 Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit
Desktop	Microsoft® Windows Server 2025 Microsoft® Windows Server 2022 Microsoft® Windows Server 2019 64-bit Microsoft® Windows Server 2016 64-bit Microsoft® Windows 11 64-bit Microsoft® Windows 10 64-bit
Mobile Client	iOS 14.0+, Android 8.0+

RECOMMENDED HARDWARE SPECIFICATIONS

FEATURE	CONFIGURATION 1 (NVR STORAGE)	CONFIGURATION 2 (SYSTEM STORAGE)
CPU	Intel® Core™ i5-12500	Intel® Core™ i7-12700
RAM	2*8 GB	2*8 GB
NIC	1 GbE NIC	1 GbE NIC
SSD for OS	Enterprise Class SSD	Enterprise Class SSD
HDD for Video Storage	Enterprise-class HDD or high performance network HDD. It should support writing or reading of 10 MB/s.	Enterprise-class HDD or high-performance network HDD. It should support writing or reading of 20 MB/s.
SSD Capacity for Database	At least 500 GB	At least 500 GB
OS	Microsoft® Windows 10 64-bit or later	Microsoft® Windows 10 64-bit or later

DECODING PERFORMANCE OF DESKTOP

CPU: Intel® Core™ i5-12500 3.0.0 GHz
RAM: 16 (8+8) GB
NIC: Intel® Ethernet Connection (17) I219-LM
Graphics Card: Intel®UHD Graphics 770
OS: Microsoft® Windows 10 (64-bit)

The performance is tested based on the following configuration.

PERFORMANCE OF H.264 WITH HARDWARE DECODING

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	6	1080p	35
30	12	8MP	10
25	6	1080p	42
25	12	8MP	12

PERFORMANCE OF H.264 WITH SOFTWARE DECODING

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	6	1080p	15
30	12	8MP	5
25	6	1080p	17
25	12	8MP	6

PERFORMANCE OF H.265 WITH HARDWARE DECODING

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	3	1080p	41
30	6	8MP	11
25	3	1080p	45
25	6	8MP	15

PERFORMANCE OF H.265 WITH SOFTWARE DECODING

Frame Rate (fps)	Bit Rate (Mbps)	Resolution	Max. Live View Channels
30	3	1080p	13
30	6	8MP	4
25	3	1080p	15
25	6	8MP	5