



Integrated Security Management Software - Professional Version

The Integrated Security Management Software provides a fully integrated central management system for multi-service integration and interoperability. It allows the operator to fully control the multi-systems in one simple yet powerful software platform for surveillance, control, monitoring and alarms & events handling and notification.

Technical Specifications

Cameras	Centralized Deployment: 3,000 Distributed Deployment: 10,000 Central System (RSM): 100,000
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Managed Device IP Addresses	
<i>*Including Encoding Devices, Access Control Devices, Elevator Control Devices, Security Control Devices, and Remote Sites</i>	Centralized Deployment: 1,024 Distributed Deployment: 2,048
Video Intercom Devices	1,024
Alarm Inputs (Including Alarm Inputs of Security Control Devices)	3,000
Alarm Outputs	3,000
Dock Stations	1,500
Security Radars	10
Alarm Inputs of Security Control Devices	2,048
Face Recognition Terminals when used with turnstiles	32
Recording Servers	64
Streaming Servers	64
Security Audit Server	8
DeepinMind Server	64
ANPR Cameras	3,000
People Counting Cameras	Recommended: 300
Heat Map Cameras	Recommended: 70
Thermal Cameras	Recommended: 20
Queue Management Cameras	Recommended: 300
Areas	3,000
Cameras per Area	256
Alarm Inputs per Area	256
Alarm Outputs per Area	256
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Recording Schedule	10,000
Recording Schedule Template	200
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Event & Alarm	Centralized Deployment: 3,000
Event and Alarm Rules	Distributed Deployment: 10,000 Central System (RSM): 10,000
Storage of Events or Alarms without Pictures	Centralized Deployment: 100/s Distributed Deployment: 1000/s

Events & Alarms

Events or Alarms Sent to Clients	120/s
<i>*The clients include Control Clients and Mobile Clients</i>	100 Clients/s
Arming Schedule Templates	200

Picture

Picture Storage	20/s (Stored in SYS Server)
<i>*Including event/alarm pictures, face pictures and vehicle pictures.</i>	120/s (Stored in Recording Server)

Reports

Regular Report Rules	100
Event or Alarm Rules in One Event/Alarm	32
Report Rule	10,000 or 10 MB
Records in One Sent Report	20

Data Storage

Data Retention Period	Stored for 3 Years
People Counting	5 million
Heat Map	0.25 million
ANPR	60 million
Events	60 million
Alarms	60 million
Access Records	1.4 billion
Attendance Records	55 million
Visitor Records	10 million
Operation Logs	5 million
Service Information Logs	5 million
Service Error Logs	5 million
Recording Tags	60 million

Users and Roles

Concurrent Accesses via Web Clients, Control Clients, and Open API Clients	100
Concurrent Accesses via Mobile Clients and Open API Clients	100
Users	3,000
Roles	3,000

Vehicle (ANPR)

Vehicle Lists	100
Vehicles per Vehicle List	5,000
Under Vehicle Surveillance Systems	4
Vehicle Undercarriage Pictures	3,000

Entrance & Exit

Lanes	8
Cards Linked with Vehicles	250,000
Vehicle Passing Frequency in Each Lane	1 Vehicle/s

Face Comparison

Persons with Profiles for Face Comparison	1,000,000
Face Comparison Groups	64
Persons in One Face Comparison Group	1,000,000

Access Control

Persons with Credentials for Access Control	50,000
Visitors	10,000
Total Credentials (Card + Fingerprint)	250,000
Cards	250,000
Fingerprints	200,000
Profiles	50,000
Access Points (Doors + Floors)	512
Access Groups	512
Persons in One Access Group	50,000
Access Levels	512
Access Schedules	32

Time and Attendance

Persons for Time and Attendance	10,000
Attendance Groups	256
Persons in One Attendance Group	10,000
Shift Schedules	128
Major Leave Types	64
Minor Leave Types of One Major Type	128

Smart Wall

Decoding Devices	32
Smart Walls	32
Views	1,000
View Groups	100
Views in One View Group	10
Cameras in One View	150
Views Auto-Switched Simultaneously	32

Streaming Server

Video Input Bandwidth per Streaming Server	300 × 2 Mbps
Video Output Bandwidth per Streaming Server	300 × 2 Mbps

Server Hardware



Technical Specifications

Processor	Intel® Xeon™ E-2124 3.3G, 4C/4T, 8MB Cache, 8GT/s)
Operating System	Microsoft® Windows Server 2016 Standard (64-bit)
Memory	16G DDR4 DIM slots, 2666MT/s, 64GB max. support ECC
Drive Bays	1TB 7.2K SATA × 2
Storage Controllers	SAS H330 Internal Controller PERC S140 Software RAID 12Gbps SAS External HBA (non-RAID) 2x M.2 240GB (RAID 1 or NO RAID) / 1x M.2 240GB No RAID only) Boot Optimised Storage Subsystem
NIC	2 x 1GbE LOM Network Interface Controller (NIC) ports
Chassis	1U, Rack Mount
Power Supply	Single 250W (Bronze) Power Supply
Embedded Management	iDRAC9 with Lifecycle Controller, iDRAC Direct, DRAC RESTful API with Redfish
Integration	Microsoft System Centre, VMware vCenter, BMC Truesight, Red Hat Ansible
Connections	Nagios Core & Nagios XI, Micro Focus Operations Manager I (OMI), IBM Tivoli Netcool/OMNibus
Device Access	Front ports: 1 x USB 2.0, 1 x iDRAC micro USB2.0 management port Rear ports: 2 x USB 3.0, VGA, serial connector
Operating System	Microsoft Windows Server with Hyper-V
Dimensions (W × H × D)	434 mm × 45 mm × 596 mm
Weight	12.2 kg

System Requirements

OS for Server	Microsoft® Windows 7 SP1 (64-bit) Microsoft® Windows 8.0 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 (64-bit) Microsoft® Windows Server 2012 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit) Microsoft® Windows Server 2016 (64-bit) Microsoft® Windows Server 2019 (64-bit)	Browser Version	Internet Explorer 10/11 and above Chrome 61 and above Firefox 57 and above Safari 11 and above (running on MacOS X 10.3/10.4)
OS for Control Client	Microsoft® Windows 7 SP1 (64-bit) Microsoft® Windows 8.0 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 SP1 (64-bit) Microsoft® Windows Server 2012 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit) Microsoft® Windows Server 2016 (64-bit) Microsoft® Windows Server 2019 (64-bit)	Database	PostgreSQL V9.6.13
		OS for Smartphone	iOS10.0 or later Android phone OS ver 5.0 or later, and dual-core CPU with 1.5 GHz or above, and at least 2G RAM
		OS for Tablet	iOS10.0 or later Android tablet OS ver 5.0 or later
		Virtual Machine	VMware ESXi 6.x, Microsoft Hyper-V with Windows Server 2012/2012 R2/2016 (64-bit) <i>* The Streaming Server and Control Client cannot run on the virtual machine. * Virtual server migration is not supported</i>