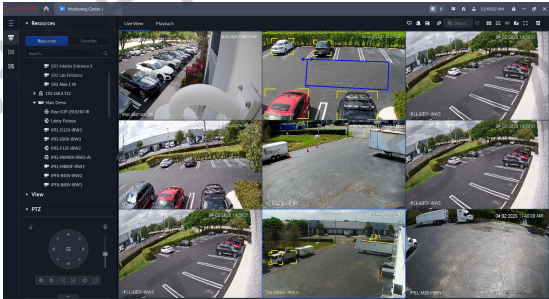


IC Now Pro

Central Video Management Server Software



- Manage up to 1,000 devices/ 2,000 channels per single server
- Perpetual, Scalable Licenses
- Free Mobile App for iOS & Android
- Additional Licenses for: Multi-Site, Object Search and more

System Overview

IC Now Pro is IC Realtime's enterprise-level Central Video Management Server Software. Designed for enterprise-level server hardware, this software handles up to 1,000 devices or 2,000 channels with a single server and is scalable with multi-server, multi-site options. The licenses are perpetual and can be purchased according to the site requirements

The base license includes 16 channels and allows for other licenses to be added on. Other licenses include: Object Search, Cascade and Multi-Site Management.

Functions

Monitoring Center

The Live View offers an intuitive interface with a customizable layout. You can easily switch between live video and recorded footage. It also supports PTZ camera control, two-way audio, and manual video recording.

Event Management

The IC Now Event Center helps you track and respond to over 200 types of alerts. It provides real-time stats, including the number and type of alarms, giving you a quick overview of system activity. You can use built-in alerts or create your own to take snapshots and send email notifications for critical events.

Intelligent Analysis

Built-in camera analytics let you create heat maps and charts showing peak traffic times using people counting data.

Scalable Applications

With the IC Now Pro Multi-Site license, the system can scale to support up to 20,000 cameras and 4 petabytes of central storage. Features like hot standby and N+M redundancy ensure continuous and reliable operation.

Maintenance Center

Easily monitor alerts, device and server status, and perform batch updates across all your connected devices from one centralized location

IC Now Pro Mobile App

A free mobile app for iOS and Android lets users connect to IC Now Pro. The app supports Live View (up to 16 channels), PTZ control, playback at speeds from 1/8x to 8x, and manual recording directly to your phone.

Object Search (License)

This feature uses AI to tag people and vehicles in recordings. You can search for the same object across multiple cameras and follow its movement using the timeline, making it easier to track activity and quickly retrieve relevant events.

Server Technical Specification

Devices and Sub Server Support

Deployment Type	Single Server	Multiple Server
Devices (NVR, DVR, etc)	1,000 devices	10,000 devices
Channels	2,000 channels	20,000 channels
Multi Site		100 Sites
Sub Servers	N/A	10

Video Channel Support

Deployment Type	Single Server	Multiple Server
ANPR	1,000 devices	10,000 devices
Face Recognition	2,000 channels	20,000 channels
MDVR/MNVR	100 devices; 1,000 channels	1,000 devices; 10,000 channels
RTSP Device	1,000 devices/ 2,000 channels	10,000 devices/ 20,000 channels
ONVIF Support	1,000 devices/ 2,000 channels	10,000 devices/ 20,000 channels
Intercom Devices	2,000 devices	2,000 devices

Central Storage

Deployment Type	Single Server	Multiple Server
Central Storage Position	Local Server and IP SAN	
Heat Map Channels	400 TB	4 PB

Media Transmission Server

Deployment Type	Single Server	Multiple Server
Total Incoming Bandwidth	600 Mbps	6,000 Mbps
Incoming Video Bandwidth	600 Mbps	6,000 Mbps
Incoming Image Bandwidth	200 Mbps	2,000 Mbps
Total Outgoing Bandwidth	600 Mbps	6,000 Mbps
Outgoing Video Bandwidth	600 Mbps	6,000 Mbps
Outgoing Image Bandwidth	200 Mbps	2,000 Mbps
Total Storage Bandwidth	600 Mbps	6,000 Mbps
Video Storage Bandwidth	600 Mbps	6,000 Mbps
Image Storage Bandwidth	200 Mbps	2,000 Mbps
Pre Recording Bandwidth for Alarm Recordings	400 Mbps	4,000 Mbps

RTSP Device	1,000 devices/ 2,000	10,000 devices/ 20,000
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Deployment Type	Single Server	Multiple Server
Total Events	300 per second	600 channels
Storage of Events without an image	300 per second	600 channels
Alarms with Snapshots (Stored on Devices)	300 per second	600 channels
Combined Events		100 per second

Central Storage Position Intelligent Analysis

Deployment Type	Single Server	Multiple Server
People Counting Channels	100 channels	300 channels
Heat Map Channels	100 channels	300 channels

Performance Specification

Organization, Role and Users

Organizations	10 levels; 999 organizations in total
Roles (User Permission)	500
Users	200 online users and 2,500 total users
Roles per User	32
Users for Mobile App	500 online users and 5,000 total users
User Groups	20
Users per User Group	500

Recording and Retrieval Plans

General Recording Plans	3,000
Motion Detection Recording Plans	3,000
Video Retrieval Plans	3,000
File Retrieval Plans	3,000

Event

Event Sources for Event Rules	3,000
Combined Event Rules	100
Combined Events	1,000
Generic Event Rules	50

Person and Vehicle Management

Person and Vehicle Groups	8
Group Levels	256
Persons on IC Now Pro Platform	15 MB
Faces/ Vehicles	300,000/ 50,000
Persons from Third-party Systems	300 (after merging) 2,000 (before merging)
Person Groups that a Person can Belong to	300 (after merging) 2,000 (before merging)

Face and Vehicle Watch Lists

Total Faces/ Watch Lists	300,000/ 50
Faces per Face Watch List	50,000
Vehicle Watch Lists	32
Vehicles per Vehicle Watch List	50,000

Intelligent Analysis

People Counting Groups/ Rules per Group	30/ 20
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Events

Hierarchies	8
Raster Maps/ Size	256/ 15 MB
Resources on GIS Map	300 (after merging) 2,000 (before merging)
Resources per Raster Map	300 (after merging) 2,000 (before merging)
Combined Events	100 per second

Sync Manager

Event Synchronization Projects	5
Incoming Triggered Event Types per Event Synchronization Project	300
System Integration Projects	5
Event Types per System Integration Project	300

Performance Specification

Intelligent Inspection (License)

Inspection Organizations	999
Levels of Inspection Organizations	10
Inspection Objects	10,000
Inspection Points	10,000
Inspection Points per Organization	1,000
Inspection Plans	1,000
Inspection Points per Inspection Plan	100
Execution Time Points per Inspection Plan	24

Notifications & Quick Commands

Messages	1,000
Quick Commands per User	20
Commands per Quick Command	20

Storage Specification

Data Storage

Event Records	20,000,000
Alert Records	20,000,000
Face Recognition Records	20,000,000
ANPR Records	20,000,000
Metadata Records	20,000,000
Access Records	20,000,000
Video Intercom Records	20,000,000
Historical Count Records	20,000,000
In Area Statistical Records	20,000,000
Heat Map Records	5,000,000

People Entering and Exiting Records	5,000,000
Forced Exit Records	20,000,000
Operator Logs	20,000,000
Plug-in Logs	20,000,000
Service Logs	20,000,000

Data Storage-Independent Data Deployment

Video Metadata Records	30,000,000
Event Records	30,000,000
Face Recognition Records	30,000,000
ANPR Records	30,000,000

Data Storage-Intelligent Inspection License

Inspection Records	20,000,000
Inspection Point Records	20,000,000

License Information

License SKU	Description
LIC-ICNP-BASE-16	Base License; Required to operate IC Now Pro and for adding other Licenses. Includes 16 channels .
LIC-ICNP-MULTI	Multi-Site License. Allows adding of other remote sites or to be accessed by IC Now Pro.
LIC-ICNP-EXP-1	Video channel expansion license for one video channel; compatible with Face Recognition and ANPR cameras.
LIC-ICNP-SEARCH	Object Search Intelligent algorithm license. Utilized for advanced target object search after combining with iMD 2.0-capable devices.
LIC-ICNP-SPARE-1	Hot standby license, supports 1 main server + 1 hot standby server, with 3 year warranty and upgrade.
LIC-ICNP-DTBASE	Extended Database License. Allows for 30 million database records. When combined with LIC-ICNP-SPARE-1, it can be deployable with a Hot Standby Server.

System Requirements

Server

	Recommended	Minimum	Operating System
CPU	Intel Xeon Silver 4214, 16MB cache AMD EPYC 7252, 32MB cache	Intel Xeon E-2224, 8MB cache AMD EPYC 3251, 16MB cache	Microsoft® Windows Server 2019 Standard (64-bit) Microsoft® Windows Server 2022 Standard (64-bit) Microsoft® Windows 10 20H2 Pro (64-bit) Microsoft® Windows 11 21H2 Pro (64-bit) VMware® ESXi™ 7.x Microsoft® Hyper-V with Windows Server 2019
RAM	16 GB	8 GB	
Network	4x 1Gbps NIC	2x 1Gbps NIC	
Storage	1 TB, 500 GB available for IC Now Pro services console	1 TB, 500 GB available for IC Now Pro services console	
Disk Type	SSD, SATA-III 6Gbps, hot swappable	HDD, 7200 RPM, SATA-III 6Gbps	

Client

	Recommended	Minimum	Operating System
CPU	Intel Core i7-11700 or AMD Ryzen 5 5600X	Intel Core i5-9500 or AMD Ryzen 5 3300X	Microsoft® Windows 10 20H2 Pro (32-bit) and (64-bit) Microsoft® Windows 11 21H2 Pro (64-bit) Microsoft® Windows Server 2019 Standard (64-bit) Microsoft® Windows Server 2022 Standard (64-bit) VMware® ESXi™ 7.x Microsoft® Hyper-V with Windows Server 2019
RAM	16 GB	16 GB	
Network	1x 1Gbps NIC	1x 1Gbps NIC	
Storage	200 GB free space for client	100 GB free space for client	
Graphics Card	NVIDIA GeForce RTX 3060 or AMD Radeon RX 6600 XT	Intel HD Graphics 630, NVIDIA GeForce GT 1030 or AMD Radeon RX 480	