

PROVISION-ISR OSSIA CMS

Do you want to monitor your devices by a PC software?

Have you got multiple devices or users which you need to manage?

Our new Ossia CMS (Central Monitoring Software) platform is the solution for you. The software was designed for CCTV systems featuring multiple devices or users in the local network or even spread across different geographical locations. Ossia CMS helps the user to take control of all connected devices (DVR/ NVR/IPC) from a single platform.



Ossia CMS



Standard version

OSSIA CMS Standard is a standalone system. In a standalone system a computer hardware or software is able to operate independently of other hardware or software. It provides itself with all the required data and information.

OSSIA CMS Standard supports all Provision-ISR's products together with the devices from the main players in the security global market. It is equipped with powerful video monitoring capabilities that supports real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control and more.

OSSIA CMS STANDARD VERSION supports up to 256 cameras and it is **100% License Free**.

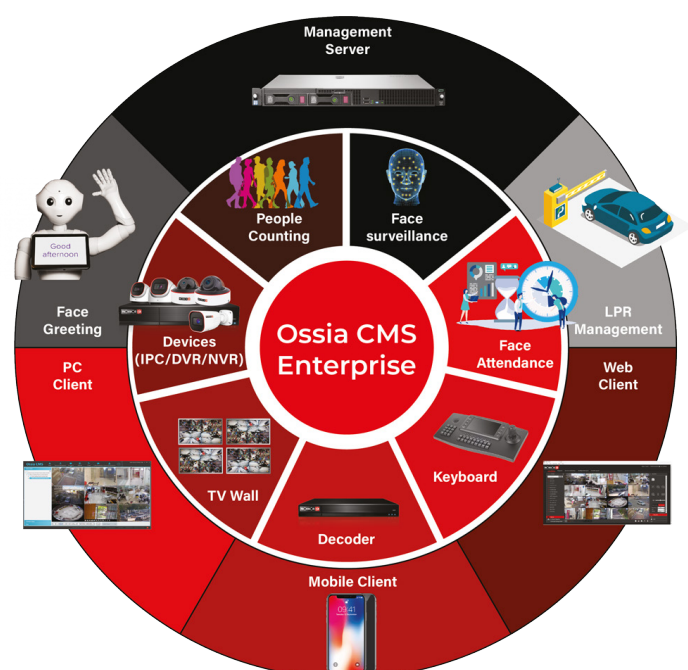
Enterprise version

Ossia CMS Enterprise is a Server-Client System. In a server-client system the computer hardware or software serves as a client and must be connected to a server in order to work properly. It cannot operate without it.

Ossia CMS Enterprise holds all the capabilities of Provision CMS Standard, but thanks to its server/client working method it can be widely used for medium-sized video surveillance systems such as parks, schools, banks, chain stores, commercial building and more.

OSSIA CMS ENTERPRISE VERSION supports up to 30.000 cameras and it is a **license based platform**.

Ossia CMS: main features



Ossia CMS: comparison between standard and enterprise version

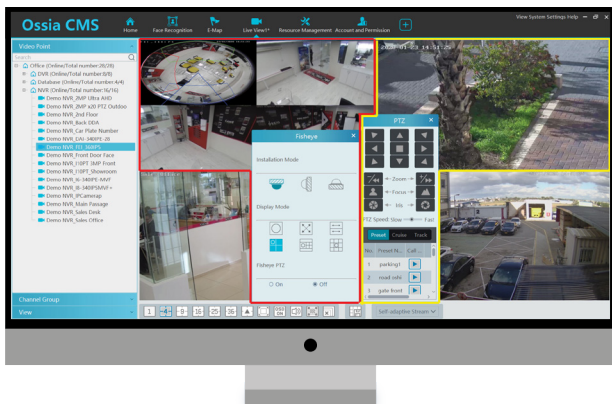
	STANDARD VERSION	ENTERPRISE VERSION
Product Features		
Deployment	Standalone	Client/Server
OS support	Windows, Mac**	Windows, Mac(1*)**
Desktop client	Yes	Yes
Web browser client	No	Yes
Mobile client	No	Yes(2*)
Database support	SQLite (Integral)	MySQL
Hardware product	No	Yes (Server-class products with Ossia CMS enterprise software embedded)
Virtual machine support	Yes	Yes
Encoder device		
ONVIF supported	Yes	Yes
RTSP supported	Yes	Yes
Auto-report	Yes	Yes
Auto discovery	Yes	Yes
Add by domain	Yes	Yes
Add by serial/P2P	No	Yes(**)
Peripheral device		
Network keyboard	Yes	Yes
Decoder/TV Wall	Yes	Yes
Intelligent analysis		
Behavior analysis device	Yes	Yes
Face detection device	No	Yes
Face recognition device	Yes	Yes
License plate recognition device	No	Yes
Parking management	No	Yes
Embedded face recognition algorithm	No	Yes
Face surveillance	Yes	Yes
Face greeting	No	Yes
Face attendance	No	Yes
People counting	Yes	Yes
System capacity		
Cameras per system	256	30000
Cameras per server	N/A	3000
Max clients	N/A	Unlimited(3*)
Electric map		
Google map	No	No
Picture map	Yes	Yes
Hierarchical map	Yes	Yes
Recording & Storage		
Scheduled recording	Yes	Yes
Alarm recording	Yes	Yes
External storage	Yes(4*)	Yes(5*)
RAID support	No	Yes(6*)
Users and groups		
Users and Groups	Yes	Yes
Audit Log	Yes	Yes
Integration Tools		
C++ SDK	No	Yes
Java SDK	No	Yes
C# SDK	No	Yes
OCX	No	Yes
RTSP streaming	No	Yes
RTMP streaming	No	Yes
HLS streaming	No	Yes
Multilevel cascade	No	Yes

1* Client Only, 2* iOS and Android, 3* Unlimited in theory – Such numbers cannot be tested practically, 4* Network Storage Mapping, 5* Storage Servers, 6* Dedicated Storage Server HW only - **Future Development

Ossia CMS: main features

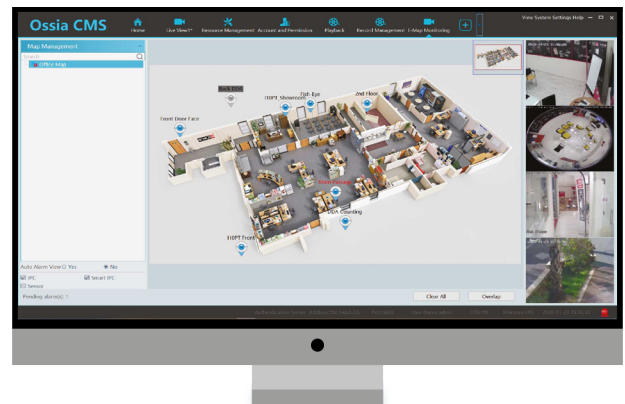
MAIN INTERFACE - LIVE VIEW

Full live view control including Fish-Eye Support, PTZ Control, Instant Playback, Audio, Stream Control.



MAIN INTERFACE - E-MAP MONITORING

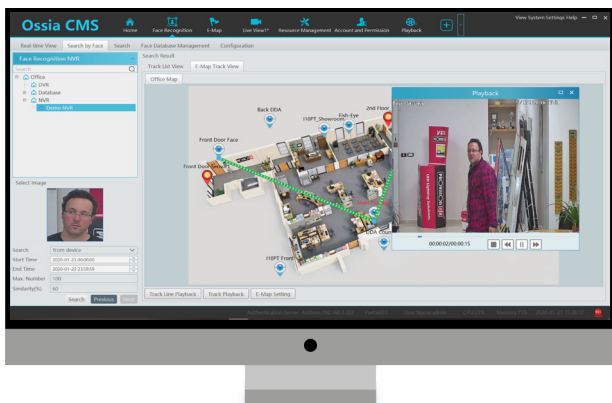
The user can set the needed monitoring points within an E-Map and see them in a click. E-Map allows monitoring with managed hierarchy.



MAIN INTERFACE - FACE DETECTION

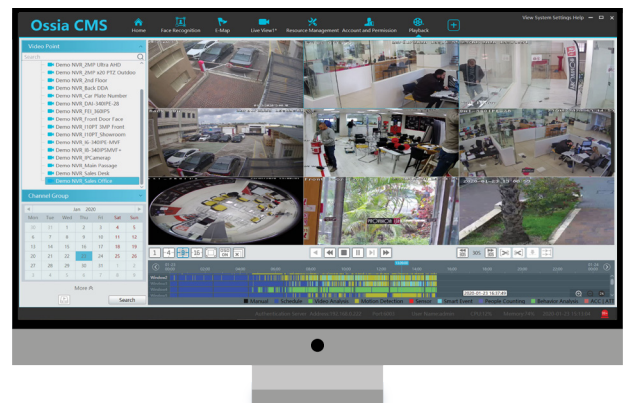
The CMS is fully compatible with Provision-ISR face detection devices.

Face detection, search and the playback are performed by the connected devices.



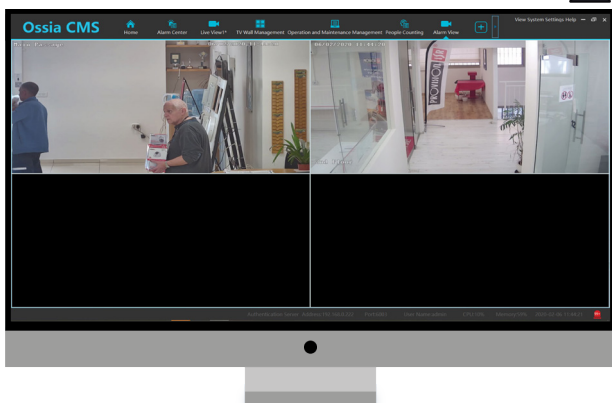
MAIN INTERFACE - PLAYBACK VIEW

The Playback (from device or server) is based on time-slice image, event or tag (synchronized and unsynchronized).



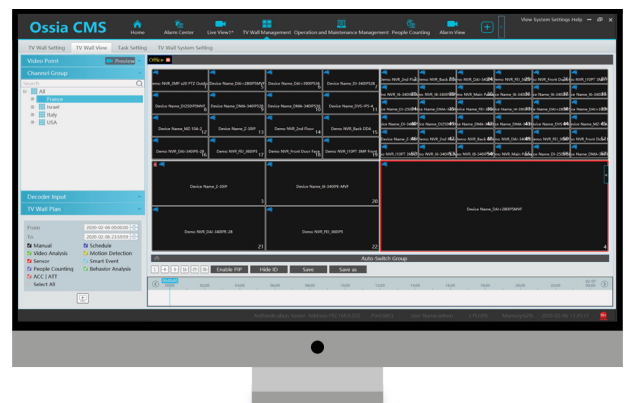
ALARM VIEW

It's possible to use a dedicated screen for alarm pop ups. Each alarm event can trigger a pop up according to the user preferences.



DECODING BY DEDICATED HW

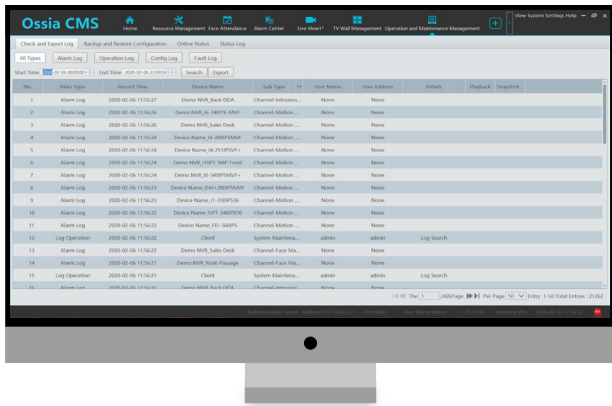
Using many screens and viewing many cameras requires expensive resources. Provision-ISR decoders performs decoding tasks with multiple monitors and save the user from purchasing expensive computer hardware.



Ossia CMS: main features

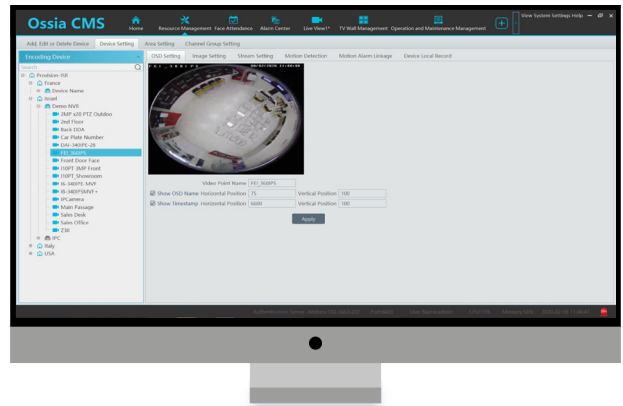
LOG CONNECT AND SEARCH

The user can use the Ossia CMS to remotely check his device logs. The log can be categorized and easily exported to the computer of the user.



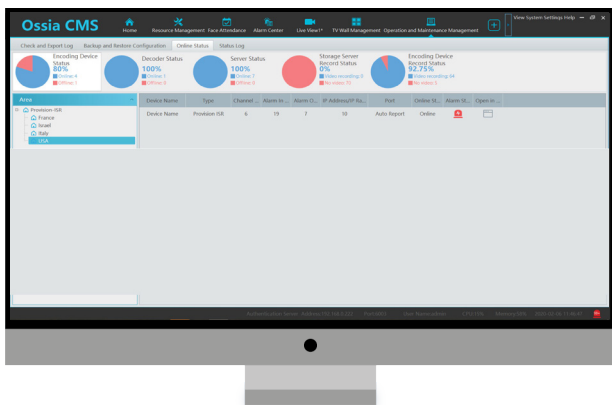
REMOTE SETTINGS

The user can setup his devices remotely using the interactive interface. The settings options will change according to the type of chosen device.



SYSTEM HEALTH MONITOR

The system health monitor allows the user to visually see the status of both the system and connected devices. It shows connectivity, alarm status, number of channels... The user can even connect directly to his device's web client



REMOTE CLIENTS (ENTERPRISE VERSION)

The user can connect remotely to the platform by Provision CMS mobile APP or web-client in order to monitor his sites or to configure the server* (*Web-Client)

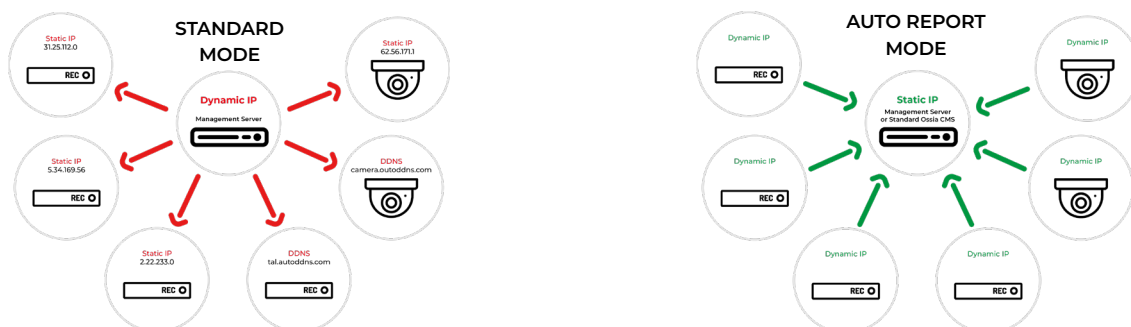


AUTO REPORT MODE

Auto report allows the architecture to use a single static IP with port forwarding to the main management server instead of static IP for each site.

In normal installations each device is configured by IP/DDNS on the Management server. Port forwarding must be set for each installation site.

By using **AUTO REPORT** only the Management server is set with static IP / DDNS with port forwarding. All other sites can use dynamic IP.



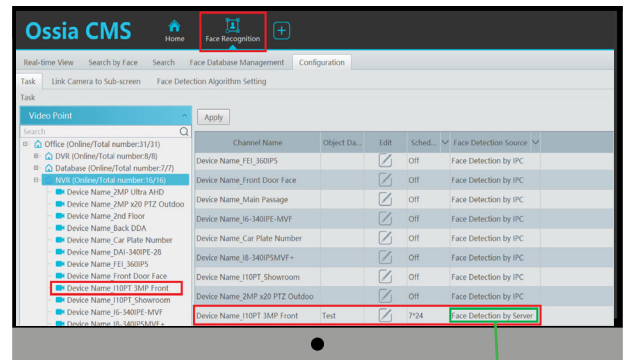


FACE
RECOGNITION 

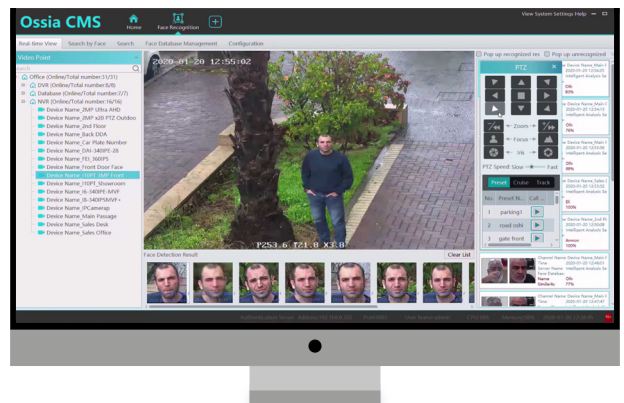
Ossia CMS: main features

FACE RECOGNITION (ENTERPRISE VERSION)

The enterprise version can perform face detection & face recognition independently using Analytics Server Service. As a result, any camera (including analog cameras and PTZs) can turn into face detection cameras while the Ossia CMS will perform the face recognition.



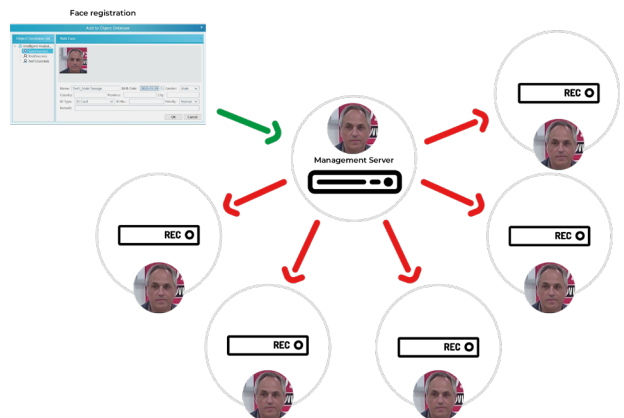
Face Detection by Server



Result - Face detection by I10-330IPX20 PTZ!

FACE DATABASE MANAGEMENT

In the standalone configuration each device stands for itself in terms of face database management. By flagging "Synchronize with NVR database" the management server synchronizes all the face recognition databases.



Ossia CMS: dedicated hardware

Management Servers

Provision-ISR management servers include:

- Single management server.

It performs as the system central management platform of different scale (clients required).

- All-In-1 management server.

It combines the management server and the client on one hardware.

- Media forwarding server.

It performs as the backbone of the video streaming process.



Storage Servers

Provision-ISR storage servers are specifically designed for the video surveillance industry and ensure high-reliability and great performances.

These devices feature the latest C232 chipset with advanced data storage and management functions, combining SAS, multi-core CPU, multi-protocol and advanced data processing and transfer technologies.



Decoders

Provision-ISR decoders decode IP channels and reduce the Hardware load.

These devices feature high-performance SOC decode chipset, which supports multiple channel video on-wall display.



Keyboards

Provision-ISR CCTV dedicated Keyboards are used to control both the CMS and the PTZ cameras.

They can be easily integrated with the Ossia CMS management Platform and implement on-wall decoding control and record playback control.



Ossia CMS: System Requirements

Decoding			Hardware		Minimum		Recommended	
					OS: Win7 64Bit; CPU: i5-6400 @2.70GHz; RAM: 16G; GPU: Intel HD Graphics 530;		OS: Win10 64Bit; CPU: i5-7400 @3.00GHz; RAM: 16G; GPU: NVIDIA GeForce GTX 1060 6GBRAM;	
Encoding Resolution	Resolution	Stream Configuration	Decoding Channels by H.264	Decoding Channels By H.265	Decoding Channels by H.264	Decoding Channels By H.265		
Decoding by external GPU	8MP	3840*2160 FPS: 25 Type: CBR Bit-Rate(Kbps): 8192 I-Frame Interval: 100	4	7	8	9		
	5MP	2592*1944 FPS: 25 Type: CBR Bit-Rate(Kbps): 6144 I-Frame Interval: 100	7	11	10	14		
	4MP	2592*1520 FPS: 25 Type: CBR Bit-Rate(Kbps): 5120 I-Frame Interval: 100	10	13	18	18		
	2MP (1080P)	1920*1080 FPS: 25 Type: CBR Bit-Rate(Kbps): 3072 I-Frame Interval: 100	15	23	30	30		
	1.3MP (720P)	1280*720 FPS: 25 Type: CBR Bit-Rate(Kbps): 1536 I-Frame Interval: 100	30	44	45	43		
	D1	704*576 FPS: 25 Type: CBR Bit-Rate(Kbps): 768 I-Frame Interval: 100	49	54	65	61		



PROVISION-ISR: ISRAELI KNOW-HOW FOR A SMARTER AND SAFER WORLD.

Provision-ISR is a fast growing Israeli company founded in 2007 to meet the demand for high quality products in the medium segment of the CCTV market.

Our wide range of products includes:

- IP and HD technologies able to respond to the diversified demand of the market.
- Advanced CCTV software and APPs developed by our Israeli engineers with the aim of keeping the user experience simple and intuitive;
- A complete range of accessories specifically designed for CCTV market, making of Provision-ISR a One-Stop-Shop for all CCTV product needs.

We aim at building a smarter and safer world by giving security professionals all the tools they need to make the difference: constant training, professional and reliable technical support and effective marketing tools.

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