ISS

INTELLIGENT VIDEO. DEFINED.

SecurOS™ MCC
Monitoring and Control Center

SecurOS™ Monitoring & Control Center (MCC) is a solution designed for large geographically distributed enterprises (including companies with a well-developed network of departments and offices), which aggregates and processes data from independent local sites, helps to prevent emergencies and allows for immediate incident response.

OVERVIEW

SecurOS MCC is a powerful software and hardware based solution designed for effective control of independent geographically and administratively distributed sites. The solution ensures uninterrupted operation of the integrated dispatcher service, including situational monitoring and management of video surveillance systems at remote sites.

SecurOS MCC operators are able to evaluate the situation at remote sites, obtain event and alarm data in real-time, thus initiating response processes of specialized services and law enforcement.

ISS

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BENEFITS

Large Scale Applications
Designed for large scale deployments. 1 MCC server can support up to 6K cameras from remote sites. For more cameras, more MCC servers can be used.

Data Aggregation
The solution aggregates video and event data from all remote sites and displays it centrally on the MCC Client workstations or Video Wall.

Native Analytics Support
Analytics events can be received from the local sites (FaceX, Auto, Tracking Kit, etc...) to the MCC Server. Additionally, analytics can be applied on the MCC side.

Data Storage Options
The solution supports working with recorded video in the following ways:
- View recorded video from remote sites
- SecurOS Archiver module can run on MCC server and provide redundant recordings.

Failover Cluster
SecurOS MCC can be implemented using SecurOS Native Failover, to maintain high availability of the system. The SecurOS Failover can be configured via a Cluster (3 or more servers) or "1 to 1".

Dynamic Use of Network Bandwidth
SecurOS MCC Operators receive video through the MCC DC Gateway, so there is always only 1 stream per camera open between local site and MCC (regardless of number of client connections). Video is always sent on demand.
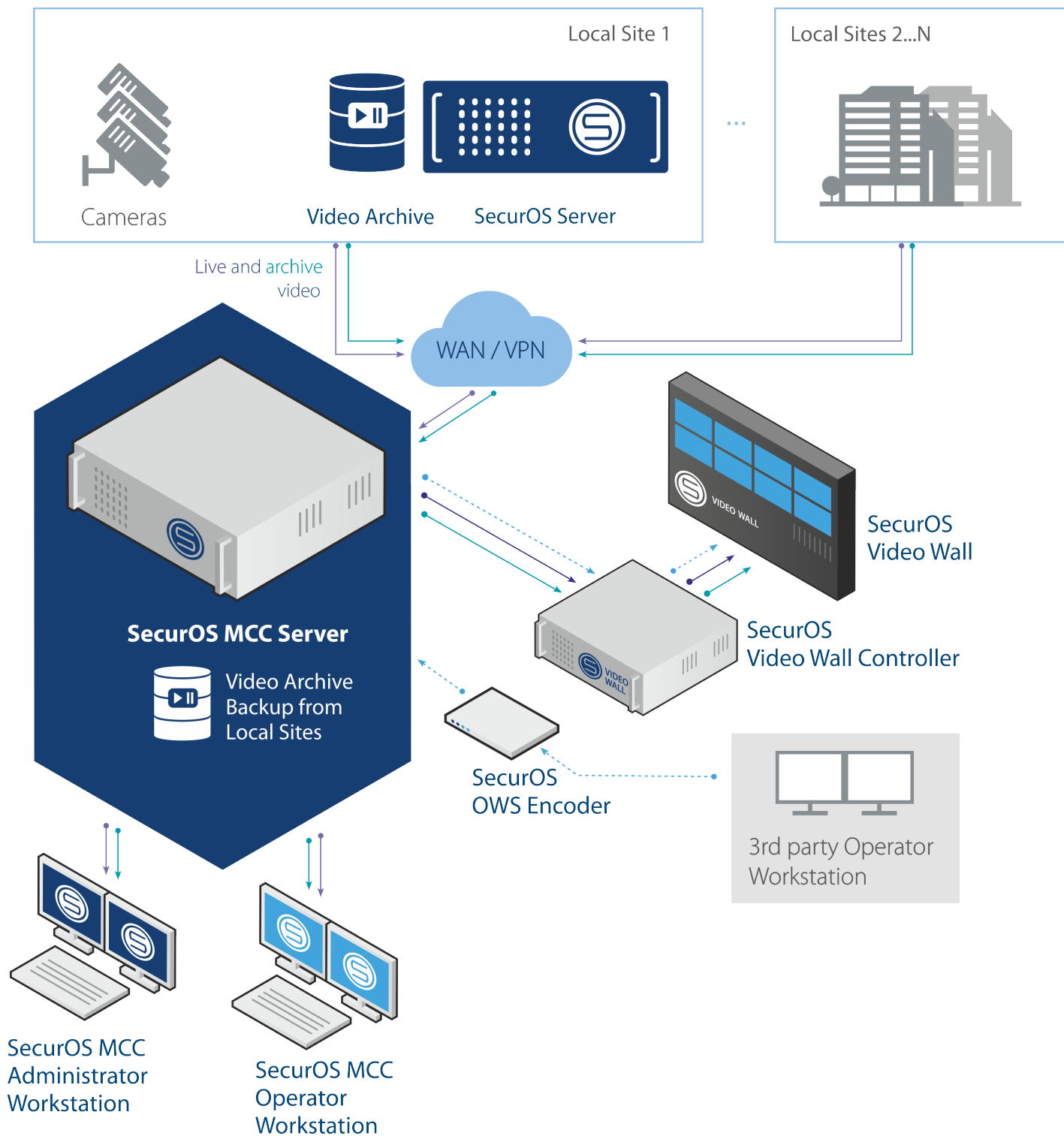
KEY FEATURES:

- Easy to add new remote systems to the MCC.

- An automatic update of configuration of the monitoring center in case of changes of the remote site configurations.

- Priority control of PTZ devices of remote sites by an MCC operator. Remote site operators can request PTZ control from MCC operators.

- Hardware monitoring and health notifications (cameras, sensors, servers, etc.).

- Export video and audio data from remote systems.

- Work with SIP devices from remote sites.

- SecurOS MCC can retrieve camera related information from the Emergency Service Module of the remote sites and allow to process aggregated events from all sites.

- Single User Interface to display video and analytics data from all remote sites.
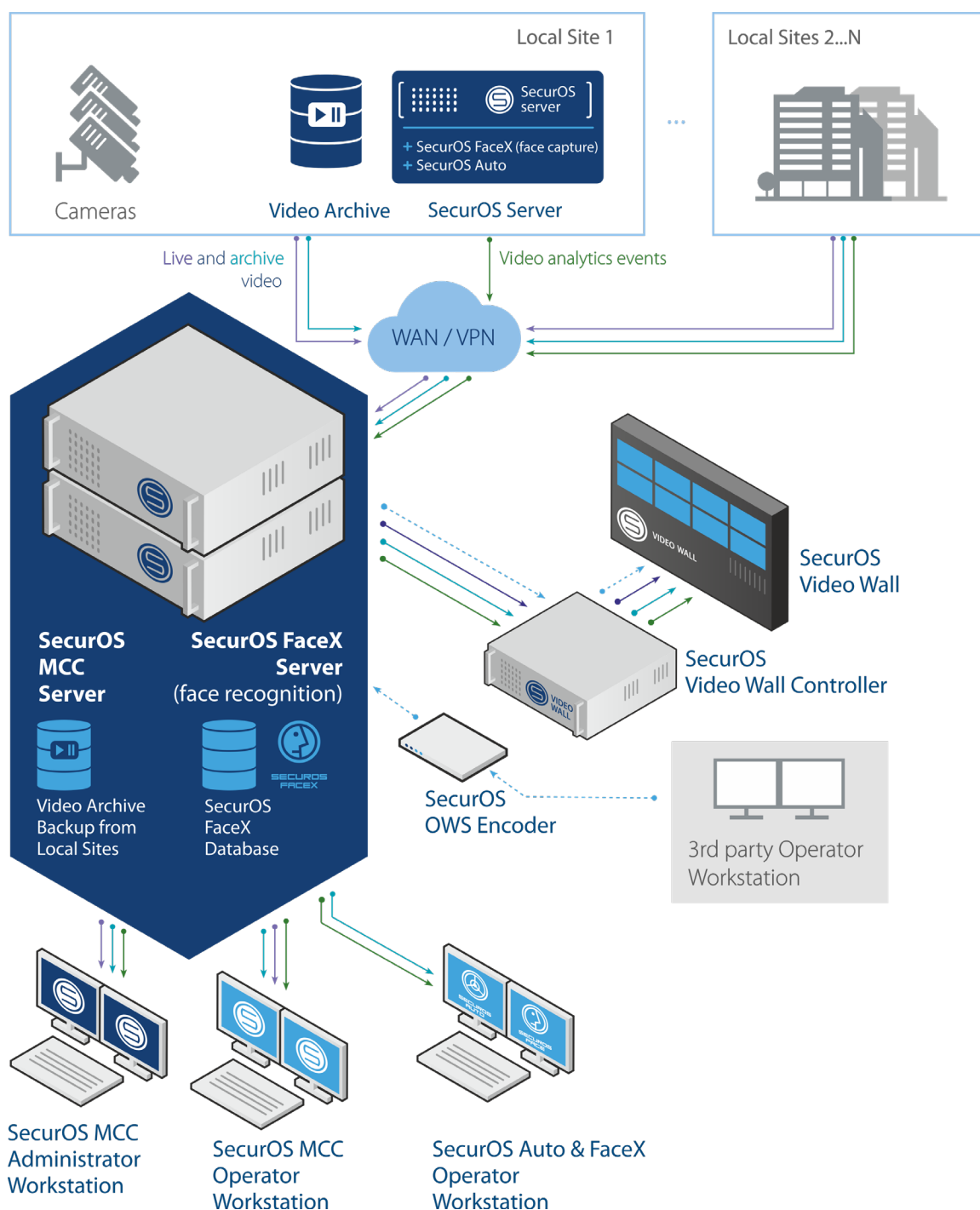
SOLUTION INCLUDES:

- IP video/audio recording devices;

- SecurOS Native Video Analytics;

- User interface for video and events;

- 2D/3D interactive maps (Geographical information systems);

- Control and information sharing (with other subsystems);

- Notification Management;

- Emergency Service Module;

- Event Dispatcher;

- Video Wall Management;

- API options for integration with 3rd party systems.

SECUROS MCC DIRECT CONNECT – CONNECTION SCHEME (VMS ONLY)

Local Site 1

Local Sites 2...N

Cameras

Video Archive

SecurOS Server

Live and archive video

WAN / VPN

SecurOS MCC Server

Video Archive Backup from Local Sites

SecurOS Video Wall

SecurOS Video Wall Controller

SecurOS OWS Encoder

3rd party Operator Workstation

SecurOS MCC Administrator Workstation

SecurOS MCC Operator Workstation

SECUROS MCC DIRECT CONNECT – CONNECTION SCHEME (VMS + ANALYTICS)

Local Site 1

Local Sites 2…N

Cameras

Video Archive

SecurOS Server

SecurOS server

+ SecurOS FaceX (face capture)
+ SecurOS Auto

Live and archive video

Video analytics events

WAN / VPN

SecurOS
MCC
Server

SecurOS FaceX
Server
(face recognition)

Video Archive
Backup from
Local Sites

SecurOS
FaceX
Database

SECUROS FACEX

SecurOS
Video Wall

SecurOS
Video Wall Controller

VIDEO WALL

SecurOS
OWS Encoder

3rd party Operator
Workstation

SecurOS MCC
Administrator
Workstation

SecurOS MCC
Operator
Workstation

SecurOS Auto & FaceX
Operator
Workstation

Operation with video analytics events in the Monitoring Center allows:

Search
(people, vehicles, etc.)
on a regional level

Creation of joint
databases and
centralized operation
of video archives
and events

Collecting statistical
data for analysis

HARDWARE COMPONENTS OF SECUROS MCC

- Local Site Video Servers
- SecurOS MCC Server
- SecurOS MCC Operator Workstation
- SecurOS MCC Administrator Workstation
- SecurOS Video Wall Controller
- SecurOS OWS Streaming Encoder
- Network Equipment

The information displayed on the Video Wall can be managed from any Workstation. SecurOS MCC GUI is configured to work with SecurOS 2D/3D Maps and the SecurOS Media Client, which allows for a convenient and intuitive way to display information.

KEY FEATURES OF SECUROS VIDEO WALL GUI

- SecurOS MCC Administrators can easily view and modify the MCC or the local site configurations.

- Playback archive video from cameras. The operator is able to find some specific moment of the archive and then share it on the Video Wall.

- Synchronized playback of archive videos (in one GUI).

- Convenient Video Wall layouts editor allows to set up multiple layouts quickly.

- Interoperability with SecurOS GUIs such as the Media Client (primary SecurOS GUI) and the SecurOS Map module, which allows to show specific video on the Video Wall quickly and easily.

- Additional User Interfaces for SecurOS Video Analytics modules such as SecurOS FaceX and SecurOS Auto.

- SecurOS OWS Encoder allows MCC Operators to share their desktop with other operators or on the Video Wall display.