TELESTE S-VMX

Smart and scalable solution for video surveillance
and information management

TELESTE

DO **YOU** **NEED MORE** THAN VIDEO?

Teleste S-VMX is a video security and information management solution for building security systems that will evolve alongside your changing needs. In addition to the powerful video core, it offers a rich selection of smart features and functionalities that allow you to monitor and manage situations in real time.

Choose the best partner to build your security ecosystem

We will help you make the most out of your security investment. Your S-VMX system is designed for long-term use and our industry experts are at your service throughout its entire life cycle.

TELESTE S-VMX —
A FUTURE-PROOF
SECURITY HUB

Our IP-based S-VMX system offers you efficient and effective use of video surveillance complemented with advanced data integration capabilities. The system is flexibly scalable in terms of the amount of hardware, software and users.

Advanced video and data management

With the S-VMX, you can build a future-proof security hub for monitoring and managing situations in real time. You can efficiently manage, process, view, store and distribute live and recorded video, and add more efficiency to your system through integrated video and data solutions and analytics features.

Mission critical and available 24/7

The S-VMX is optimised for security and process monitoring in mission-critical operations. Your system can contain different types of video surveillance equipment, video cameras, mobile cameras, subsystems and applications. Information from all system components and subsystems is available 24/7, and you can easily manage the system from a single or multiple operating points.

Adapting to your growing needs

The S-VMX allows you to flexibly add an unlimited number of cameras, users and applications, even from third parties under the same system umbrella; just add the respective amount of engine power to the system core. Ease of integration guarantees that you can always benefit from the most recent advances in the security industry.

Rely on our standards-compliant technologies
- All our hardware is field-proven and compliant with industry standards. It offers you trouble-free performance without compromising on the features and functionalities needed for running a modern video and information management system.

Utilize our experience in large security system projects
- We have decades of experience of working with our customers. Our references include city- and country-wide deployments for many major public security operators and authorities.

Enjoy our commitment and lifetime services
- Extensions and upgrades, spare parts, repair and maintenance, software and specialist services, remote services and customer training are available for the entire lifetime of your solution.

MANAGE SECURITY
ON THE MOVE

The S-VMX provides you with the opportunity to bring different mobile devices like tablets, smartphones and body-worn cameras to your video security system. You can utilise both live video from the field and collect recorded footage for evidence and investigation purposes. The operations centre can also push 'spot video' to the field, enabling the coordination and guiding of security patrols.

Powerful map system and real-time positioning of mobile devices

You can have real-time visibility to mobile devices connected to your system via 4G/3G or Wi-Fi. Location of the devices is displayed on georeferenced maps, and live transmission of video and audio material is possible between the mobile devices and your operations center.

Building a secure European metropolis

Built on Teleste's video security and management solution, the solution for city centre monitoring in Paris is one of the most advanced public space security systems in the world. It brings safety and security to the entire Greater Paris area, with more than 10 million inhabitants, and tens of millions of tourists and other visitors annually. The system is operated by the Paris police authority, Préfecture de Police de Paris.

System in brief
- Approximately 2,500 operators
- Currently 25,000 cameras in total and still expanding
- More than 600 operating positions
- More than 55 monitoring centres

ENABLE COLLABORATION & UNIFIED CONTROL

The S-VMX is optimised for security and process monitoring to ensure mission-critical operations. Your system can contain different types of video surveillance equipment, video and mobile cameras, subsystems and applications from us and also from third party vendors — all connected to one management interface.

Unified umbrella for multi-site environments

The S-VMX allows you to interconnect an unlimited number of subsystems under the same umbrella system. You can, for example, bring alarms, recordings, and connection status information from the interconnected systems to the same management interface to control your system at a single glance. In addition, tablets, smartphones and laptops can be connected to the central management system through a fully in-built secured connection over public or private networks.

Smooth cooperation between stakeholders

The S-VMX system integrates and simplifies your infrastructure and data, facilitating collaboration with all of your internal and/or external stakeholders. Integrating your security system to other security and operational systems greatly enhances multi-operator activities by making the various data available to all operators within the same system. The S-VMX ensures that relevant information can be shared without compromising network, system and data security.

Equipped with the latest technologies

The S-VMX provides you with the latest features and functionalities through flexible add-ons, including those from third parties. You can, for example, utilise video analytics and automatic real-time management of events and alarms to improve situational awareness capability of your solution, and to reduce the operational expenditure and workload of your personnel. In addition, you can process and investigate video recordings using features such as motion detection, as well as manage and control field operations through secured mobile connectivity.

Ideal for critical infrastructure updates

The S-VMX can support underlying legacy systems, regardless whether these are analogue or IP-based. This makes it an ideal choice for renovation projects where you wish to utilise the existing infrastructure as widely as possible.

ALL YOUR **DATA IS SAFE** FROM CYBERTHREATS

Thoroughly taking care of personal data protection, our state-of-the art cryptographic technologies will ensure that all your data stays safe and protected against cyber threats. You can encrypt internal communication between S-VMX applications, clients and servers connections, as well as between third party systems. In addition, the S-VMX enables functions such as watermarking, anti-tampering, video data encryption and digital video signature, which will harness your system with an extended level of cyber security.

Video content analytics

The S-VMX supports several scenarios for video content analytics. The standard function provides you with real-time video streaming while the actual video content analytics (VCA) runs either either in camera or dedicated third-party function integrated into the S-VMX. The latter option enables features such as face recognition, people counting, crowd management and automatic number plate recognition (ANPR).

The S-VMX video management system is easy and intuitive to use, and its web user interface can be tailored to the specific needs of the control room. User-specific layouts can be created by the customers themselves.
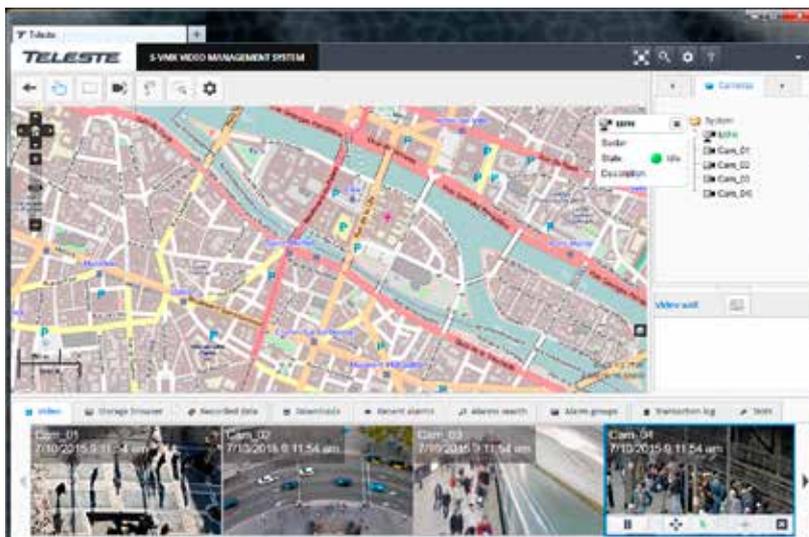
SMART AND EASY TO USE

We have furnished the S-VMX with several features that make it user-friendly and easy to operate for your stakeholders and security personnel. Automated and semi-automated features will reduce operators' and supervisors' workloads and enhance the reliability of operations.

High reliability and system availability

Reliable, redundant operations in hardware, system logic and database backups ensure the high system availability of the S-VMX. The system also includes advanced supervision and diagnostic tools and dashboards, which allows you to easily monitor the health of your system. In addition, you can receive alarms and visual information that will help you solve possible service outages quickly and efficiently.

Customisable user interface

The S-VMX web user interface can be tailored to the specific needs of your control room. You can utilise our standard templates or create user-specific layouts based on individual needs. For example, you can integrate third-party systems into the UI, or display broadcast TV for easy follow-up of news channels. The web client is available through standard web browsers without OS or hardware dependencies.

Automatic management of events and alarms in real time

The automatic real-time management of events and alarms provides you with pre-programmable scenarios for creating automatic triggers, receiving alarms and

notifications, and associating different tasks with them. You can also enhance the management of events by utilising the visualisation of alarms, cameras and other devices in interactive, georeferenced or static map views. Even more efficiency can be achieved by adding video content analytics to your system.

Based on open architecture

The S-VMX is based on open architecture, which minimises the need for engineering in future system updates. You can easily and flexibly adapt extensions to your system when system requirements change. Together with easy deployment and maintenance, the simplified architecture makes operating the system cost-efficient and reduce the total cost of ownership.

Standardised and IT-friendly

The S-VMX uses international standards-based communication and IT protocol as well as integration tools that ensure smooth and safe integration. It also supports distributed directory information services such as SSO, LDAP and Microsoft Active Directory Services for authenticating and managing users across domains.

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