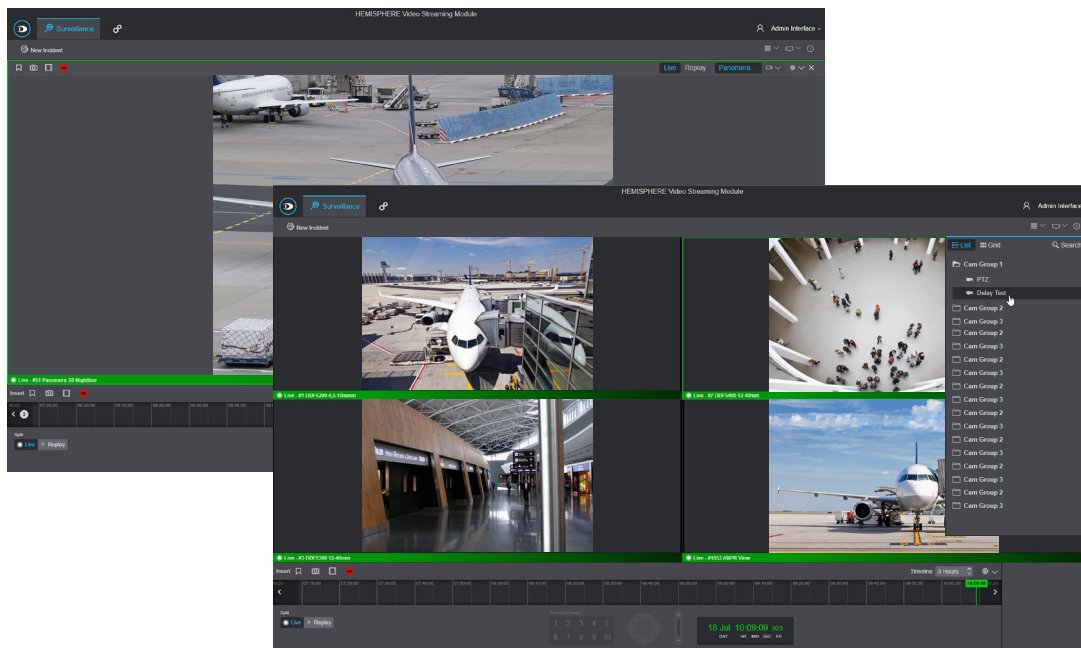


Video Streaming Module

HEMISPHERE® VSM Module for the transmission of video streams via the Wide Area Network (Internet) to mobile clients



Function

The HEMISPHERE® Video Streaming Module (VSM) enables mobile access to a HEMISPHERE® SeMSy® Video Management System over a web browser ([https / port 443](https://port.443)) on platform-independent smart phones or tablets with touchscreen operation. The surface is automatically scaled and thus always optimally displayed on different screen sizes.

Live and Replay

The HEMISPHERE® Video Streaming Module allows access to the live videos and the corresponding recordings of all cameras of a HEMISPHERE® SeMSy® Video Management System. In a multi-split layout, the simultaneous operation of cameras in both live and playback modes is possible. However, transcoding of video streams to a lower resolution and transmission of audio streams is not supported.

Timeline

The user interface is equipped with a timeline that allows fast and clear navigation in recordings. The time period shown by the timeline can be adjusted individually. It also displays created events (incidents) as well as bookmarks and snapshots.

Incidents

Like the HEMISPHERE® Advanced Incident Management Module, the HEMISPHERE® Video Streaming Module can also be used to capture, locate and log incidents. In addition, all incident information can be comprehensively documented in text, image, video and audio.

PTZ Control

The user interface of the HEMISPHERE® Video Streaming Module offers various options for controlling PTZ cameras. Depending on the device used, this can be done with the mouse pointer directly in the split. On mobile devices, control is possible via corresponding buttons in the timeline. These also allow the activation of presets stored on the camera.

Requirement 1

The HEMISPHERE® Video Streaming Module obtains the necessary connection data to cameras and recording systems directly from the central HEMISPHERE Backbone Server. In addition, a STUN Server is required for internet streaming.

Requirement 2

Dallmeier recording systems must be equipped with two licenses for client access. Both recording systems and cameras must encode the video stream in H.264 format and send it via Unicast (Multicast is not supported).

Note

The HEMISPHERE® Video Streaming Module allows the transmission of overview modules of Panomera® Multifocal Sensor Systems (combined Panomera® systems and single modules are not supported). The video streams of fisheye cameras can only be transmitted in a non-rectified view (round image).

Compatibility

The HEMISPHERE® Video Streaming Module is compatible with the latest versions of the web browsers Chrome and Firefox.

Performance

The HEMISPHERE® Video Streaming Module is installed and operated on a dedicated server. In combination with the recommended Server Rack-Mount 2 RU III, up to 20 clients can access video streams simultaneously.

Licensing 1

The license for the HEMISPHERE® Video Streaming Module is managed on the HEMISPHERE® Site Dongle.


Licensing 2

The HEMISPHERE® Video Streaming Module requires to use all CPU cores of the recommended Server Rack-Mount 2RU III. Thus the VMware ESXi 7.0 hypervisor has to be licensed for the use of more than 8 cores with one of the offered Essentials Kit licenses.

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Module License	
007350	DLD – HEMISPHERE® Video Streaming Module License for using the VSM module to transmit video streams to mobile clients over the Wide Area Network (Internet), for one instance of the HEMISPHERE® Backbone Server
Licenses for hypervisor software	
008918	VMware vSphere 8 Essentials Kit (1 year update-protection) License for use of more than 8 CPU cores by VMware vSphere 7/8 Essentials, valid for up to three servers with two CPUs each with up to 32 cores, perpetual term, license for VMware vSphere 7/8 Essentials update included for one year
008919	VMware vSphere 8 Essentials Kit (3 years update-protection) License for use of more than 8 CPU cores by VMware vSphere 7/8 Essentials, valid for up to three servers with two CPUs each with up to 32 cores, perpetual term, license for VMware vSphere 7/8 Essentials update included for three years
Server	
	006007.415 Server Rack-Mount 2 RU III Server hardware, 2RU rack-mount, 2× 12-core 2.2GHz CPU, 128 GB DDR4-2400 RAM, 2× redundant power supplies, 1× SATA DOM 64 GB, 2× SSD 1000 GB with RAID 1 (in tray), 10× 3.5" HDDs optional, RAID 6, license for VMware ESXi 7.0 included

