

Cloud VMS



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1 Short information

The Cloud VMS platform from Bosch is a complete cloud-based Video Surveillance as a Service (VSaaS) platform for Alarm Management, Alarm Transmission and Cloud Storage.

It provides users with all features required to configure and use video surveillance functions such as alarm message list, video verification view including event timeline, video investigation live-view with audio intercom, PTZ control, metadata visualization, geolocation maps, VCA metadata overlay, event and video storage, trouble and tamper notification.

For further information, refer to the Cloud VMS datasheet.

Cloud VMS supports a wide range of IP devices including Bosch and 3rd party cameras. To use Cloud VMS, any Bosch IP camera with firmware version 6.40 and later must be connected to [Remote Portal](#) first. It is required that the camera is either equipped with a local SD card or a managed recording target (iSCSI NAS, Video Recording Manager, DIVAR IP). 3rd party cameras are currently connected directly to Cloud VMS and are not supported on Remote Portal.

You can find the latest compatibility status of each release version of Cloud VMS in the release notes. The release notes list supported Bosch components, such as firmware version, Video SDK and Video Recording Manager (VRM). Furthermore, the release notes contain information about the use of latest features.

The release notes are available in the multi-tenant or dedicated Cloud VMS system and are updated continuously.

**Notice!**

This document lists only the supported 3rd party cameras.

We continuously integrate new brands and models and extend the supported functionality.

2 Integration of 3rd party cameras

Bosch supports two options to connect 3rd party cameras to Cloud VMS:

- ONVIF integration
- Plug-in integration

ONVIF integration

Cloud VMS supports the connection of ONVIF-compliant cameras with Profile-S and Profile-T (see <https://www.onvif.org/conformant-products/>).

The cameras must support at minimum:

- H.264 Baseline Profile or Main Profile
- G711 or AAC audio encoding
- ONVIF motion events in case of event recordings and alarms, when the camera supports the Real-time Pull-Point Notification Interface
- http and/or https

An ONVIF connection can be configured in Cloud VMS if the camera is reachable. For further information on additional security layers offered by Bosch for ONVIF connections, contact support.security-cloud@bosch.com.

| Platform | Supported functions | | |
|-----------------------------------------------------------------------------------------------------|---------------------|--------------------|---------------------------|
| | Alarm Management | Alarm Transmission | Cloud Storage |
| ONVIF | Live View | Not supported* | Continuous and post-alarm |
| *Alarm Transmission to external platforms is dependent on the supported Alarm Management functions. | | | |

Plug-in integration

3rd party cameras can be connected using device plug-ins that establish cyber-secure tunnels to the video relay of Bosch. Device plug-ins are available upon request from support.security-cloud@bosch.com.

Following camera platforms and models are supported:

| Manufacturer | Supported camera platforms and models |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Axis | Axis IP cameras via ACAP plug-ins: <ul style="list-style-type: none"> - Camera platforms ARTPEC-5, ARTPEC-6 and ARTPEC-7 |
| Vivotek | CC93xx, FD91xx, FD93xx, FE93xx IB93xx, IT93xx, MD95xx series, Schubert platform |

Functional compatibility

| Manufacturer (platform) | Supported functions | | |
|-------------------------|---------------------------------|--------------------|------------------------------|
| | Alarm Management | Alarm Transmission | Cloud Storage |
| Axis ARTPEC-7 | Live View (with Audio Intercom) | Not supported* | Continuous and event-based** |
| Axis ARTPEC-6 | Live View (with Audio Intercom) | Not supported* | Continuous and event-based** |

| Manufacturer (platform) | Supported functions | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------|------------------------------|
| | Alarm Management | Alarm Transmission | Cloud Storage |
| Axis ARTPEC-5 | Live View (with Audio Intercom) | Not supported* | Continuous and event-based** |
| Vivotek | Live View | Not supported* | Continuous and event-based** |
| * Alarm Transmission to external platforms is dependent on the supported Alarm Management functions. ** Event-based includes pre-alarm and post-alarm. | | | |

3 Camera compatibility list

The Bosch Security Cloud has been tested with the following 3rd party cameras, but is not limited to these models. New brands and models are continuously tested and integrated.

| Axis ARTPEC-7 |
|------------------------------------------------------------|
| M1134, M1135, M1137, M1137-E |
| M3057-PLVE, M3058-PLVE |
| M3067-P, M3068-P |
| M3115-LVE, M3116-LVE |
| M7104 |
| P1375, P1375-E, P1377, P1377-LE, P1378, P1378-LE, P1455-LE |
| P3245-LV, P3245-LVE, P3245-V, SP3245-VE, P3925-R, P3935-LR |
| P5654-E, P5655-E |
| P7304, |
| Q1615 Mk III, Q1615-LE Mk III |
| Q1798-LE |
| Q6074, Q6074-E, Q6075, Q6075-E, Q6075-S, V5925 |

| Axis ARTPEC-6 |
|----------------------------------------------------------------------------|
| M2025-LE |
| P1445-LE, P1445-LE-3, P1447-LE, P1448-LE |
| P3227-LV, P3227-LVE, P3228-LV, P3228-LVE, P3715-PLVE, P3717-PLE, P3807-PVE |
| P8815-2 |
| Q1645, Q1645-LE, Q1647, Q1647-LE, Q1659, Q1700-LE, Q1785-LE, Q1786-LE |
| Q3515-LV, Q3515-LVE, Q3517-LV, Q3517-LVE, Q3517-SLVE, Q3518-LVE, Q3527-LVE |
| Q6215-LE |
| Q7436 Blade |
| Q8641-E, Q8642-E |

| Axis ARTPEC-5 |
|------------------------------------------------------------|
| M5054, M5055, M5065, M5525-E |
| M7011 |
| P1244, P1245, P1254, P1264, P1265, P1275, P1280-E, P1290-E |
| P1435-LE |
| P3374-LV, P3374-V, P3375-LV, P3375-LVE, P3375-V, P3375-VE |
| P3904-R Mk II, P3905-R Mk II, P3915-R Mk II |

| |
|---------------------------------------------------------|
| Axis ARTPEC-5 |
| Q1615 Mk II, Q1615-E Mk II |
| Q1941-E, Q1941-E PT Mount, Q1942-E, Q1942-E PT Mount |
| Q3615-VE, Q3617-VE |
| Q6055-C, Q6154-E, Q6155-E |
| Q8685-E, Q8685-LE, Q8741-E, Q8741-LE, Q8742-E, Q8742-LE |

| |
|----------------------------------------------------------------------------------------------|
| Vivotek |
| CC9381-HV |
| FD9166-HNF2, FD9166-HNF4, FD9360-H, FD9366-HVF2, FD9366-HVF4, FD9368-HTV |
| FD9380-H, FD9388-HTV, FE9380-HV |
| IB9360-H, IB9368-HT, IB9380-H, IB9388-HT, IT9360-H, IT9380-H, IT9388-HT, MD9560-DH, MD9560-H |



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