MxMC POS

MxMC Int. Starter

MxMC Int. Channel

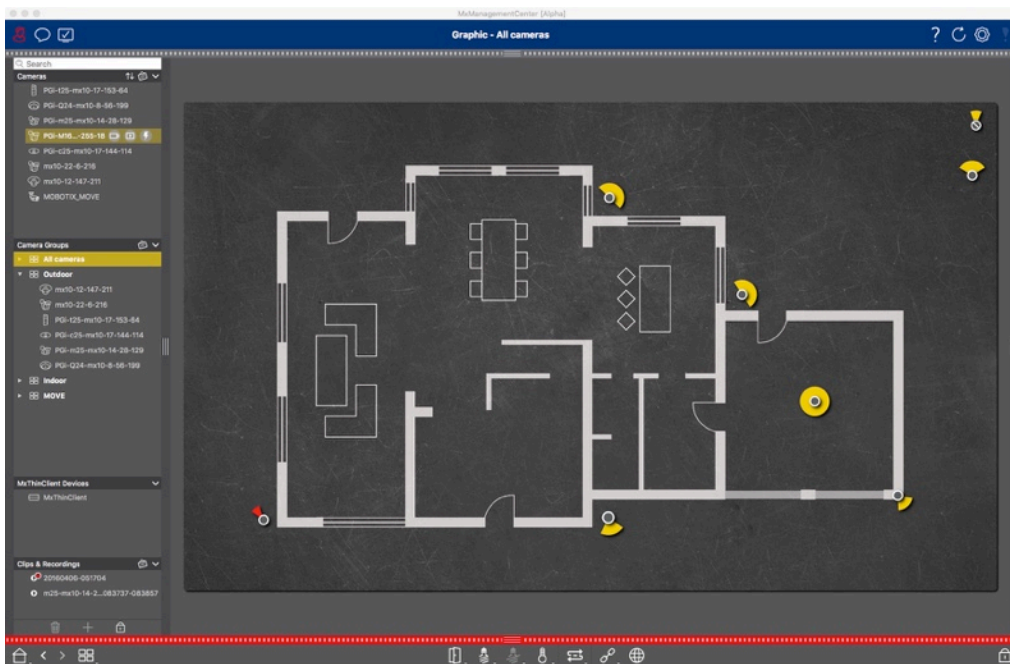**MxMC Adv. Config**

MxMC Adv. Service 5Y

COMPACT GUIDE

MxMangementCenter 2.0

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MOBOTIX

MxManagementCenter (MxMC) Version 2.0

MxManagementCenter (MxMC) is the powerful, intuitive MOBOTIX video management system for Windows and macOS. The (basic) version 2.0, which remains available free of charge despite extended standard features, marks a **new milestone in MOBOTIX's development history** with its extended and, in some cases, license-based usage and integration options. MxMC 2.0 will be available for download from the end of October 2018 with an optical facelift of the controls and description of any new features / enhancements in the release notes on the MOBOTIX website. **Please note:** All **POS licenses** activated from MxMC 1.7 onwards to integrate Vectron POS systems will still be available when updating to MxMC 2.0 (without additional costs).

What's new with MxMC 2.0:

- *Partially licensed:* Integration of MOBOTIX NAS and ONVIF-S cameras (MOBOTIX MOVE / third party)
- *License subject:* Advanced configuration view
- *License subject:* Advanced system services including Health Check
- *Royalty free:* Comprehensive online help with integrated search function

Integration of MOBOTIX NAS and MOBOTIX MOVE (ONVIF-S cameras / third party)

With MxManagementCenter Version 2.0, it is possible to combine intelligent decentralized MOBOTIX IoT cameras, MOBOTIX MOVE cameras, third-party ONVIF-S cameras (following the classic central system approach) and the new MOBOTIX NAS devices in one solution.

This unique and compatible hybrid approach will enable new application and integration solutions and expand the ability to tender. If, in addition to the live images of the integrated ONVIF-S cameras, their recordings with MxMC 2.0 are to be displayed, a MOBOTIX NAS solution must also be integrated as the storage location for the ONVIF-S cameras.

General functional scope for ONVIF-S cameras in MxMC 2.0:
- Comfortable searching and integration of cameras with the welcome wizard
- Display and change numerous parameters of the camera configuration (access data, camera name, bandwidth-dependent image profiles HiRes / LoRes, video codec H.264 / MJPEG, frame rate, resolution and image quality)
- Live image display in Grid and Live views including PTZ control
- Enlarged view of the camera image on a second screen
- Play and export the camera recordings stored on MOBOTIX NAS

MOBOTIX license model for the integration of ONVIF-S cameras

Even if MxMC 2.0 is only used in its free available basic version, all different camera types can be integrated royalty-free as follows:
- Any number of MOBOTIX IoT cameras (x1x / x2x) with MxPEG+ or MJPEG video codec (MxPEG+ recommended!)
- Any number of MOBOTIX MOVE cameras with MJPEG video codec
- Up to eight third-party ONVIF-S cameras with MJPEG video codec
- Any number of MOBOTIX NAS devices

MOBOTIX advises against operating **too many cameras** in an MxMC workstation with the **MJPEG** video codec, as the network load is usually very high due to the lack of compressed data. For all major projects or a smaller network bandwidth, MOBOTIX IoT cameras should therefore always run with MxPEG+ video codec in MxMC and ONVIF-S cameras with H.264.

Integration of H.264 (with Integration Starter License and Integration Channel License)

In order to operate a camera (MOBOTIX IoT, MOVE or ONVIF-S) in MxMC in H.264 mode (not recommended for MOBOTIX IoT cameras), depending on the camera type and number, you will first need to pay for integration licenses (Starter / Channel) for each affected MxMC workstation and then activate it. This also applies if an export format based on H.264 is required (e.g., MP4, MKV).

The **Integration Starter License** is required only once per MxMC workstation. **Any number** of MOBOTIX MOVE and MOBOTIX IoT cameras can be integrated in H.264 mode. And up to **nine ONVIF-S cameras** from third-party manufacturers: The eight ONVIF third-party cameras, which were previously integrated with MJPEG at no charge, can now be completely converted to H.264 with the Integration Starter License – and supplemented by another ONVIF third-party camera in H.264 mode.

The **H.264 flat rate for MOBOTIX cameras** automatically acquired with the Integration Starter License is another important product advantage of the MOBOTIX MOVE cameras compared to all ONVIF-S cameras of the competitors!

The **Integration Channel License** is required once for each additional ONVIF-S camera connected to an H.264 MxMC workstation. In principle, any number of third-party cameras in MJPEG mode can be integrated in MxMC with the purchase of any number of Integration Channel Licenses, even without an activated Integration Starter License. However, for the above-mentioned performance reasons (network load / data traffic), this is only advisable in very specific applications.

Time-unlimited validity

The integration licenses are valid per MxMC workstation, no matter how many users are set up there. There is also no time limit or expiration date of the licenses. But please note, that in the course of further product development of MxMC for technical reasons, it can not be guaranteed that a license used in MxMC 2.0 can in principle be transferred to any future, larger MxMC version without additional license costs (MxMC updates with Bug fixes or minor improvements excluded). To protect (license) investments and gain access to other valuable services, we recommend the new **Advanced Service Licenses**, which are described below.

Overview: Codec and camera type dependent license model for (ONVIF) integration in MxMC 2.0

Video Codec (live/playback/export)	Type of Camera	Integration Starter License* (per MxMC workstation)	Integration Channel License (per camera and MxMC workstation)
MxPEG+	MOBOTIX IoT (Mx6 Series)	**No** (not required)	**No** (not required)
H.264	MOBOTIX IoT (Mx6 Series)	**Yes** (1x per MxMC workstation, unlimited number of cameras)	**No** (not required)
	MOBOTIX MOVE	**Yes** (1x per MxMC workstation, unlimited number of cameras)	**No** (not required)
	ONVIF-S Camera (Third-Party)	**Yes** (1x per MxMC workstation, 8+1 Integration Channels included)*	**Yes** (each additional ONVIF-S camera requires an Integration Channel License)
MJPEG*	MOBOTIX IoT (Mx6 Series)	**No** (not required)	**No** (not required)
	MOBOTIX MOVE	**No** (not required)	**No** (not required)
	ONVIF-S Camera (Third-Party)	**No** (8 integration channels included for a maximum of 8 ONVIF-S cameras)*	**Yes** (each additional ONVIF-S camera requires an Integration Channel License)

* If you do not use the 8 free MJPEG channels for ONVIF-S cameras (or switch these cameras from MJPEG to H.264), you can use up to 9 (8 + 1) ONVIF-S cameras from third-party vendors in H.264 mode with the Integration Starter License. For CCTV projects with more than 8 cameras per MxMC workstation, MOBOTIX recommends the use of the much more compressed video codecs MxPEG+ or H.264 in order to reduce the amount of data and the network load.
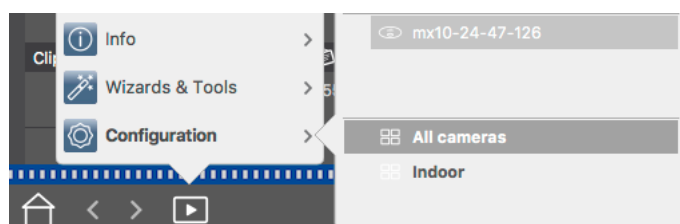
Configuration of MOBOTIX IoT cameras via MxMC 2.0: More options with the Advanced Config License
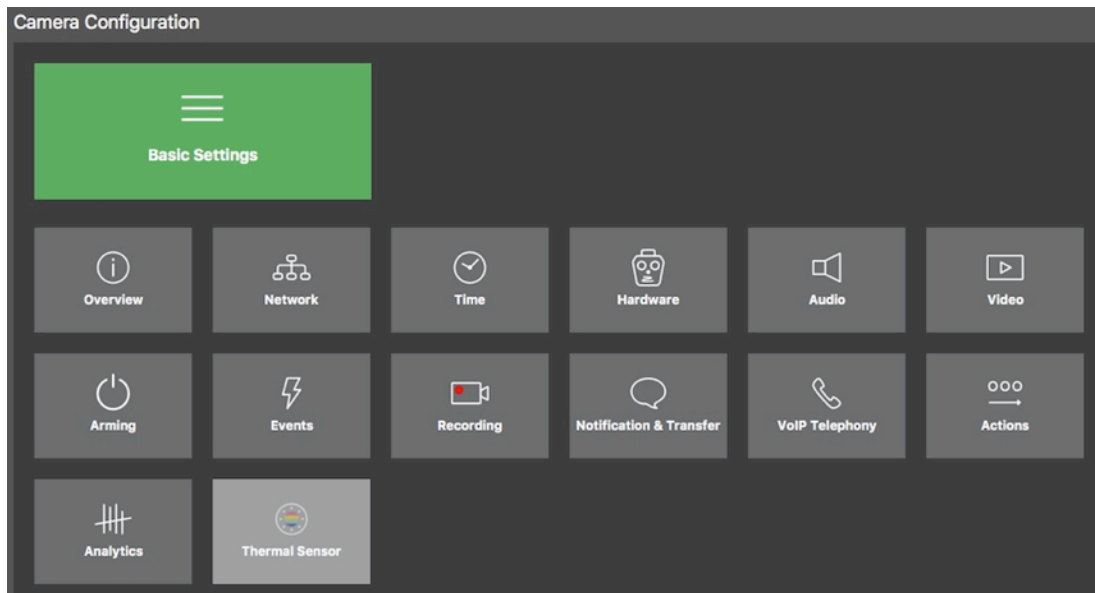
As an administrator or user, if you are equipped with the appropriate rights and have purchased and activated an **Advanced Config License**, you can now check and significantly change more camera and system settings via MxMC 2.0. The big advantage of MxMC's built-in configuration solution is that you no longer need to call, for example, every single camera in the browser if you want to review and change the settings of an entire camera group. With the advanced configuration in MxMC 2.0, it is possible to adapt the configuration of up to 80 cameras in one group at the same time, which in turn means enormous time and cost saving advantages, especially in very large projects.
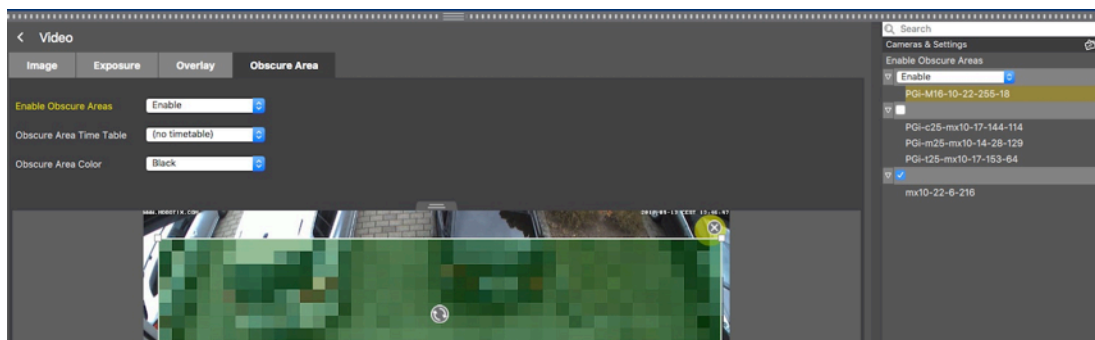
Open the view with advanced configuration

After activating the Advanced Config license, you get the extended view **Configuration** via the view selection on the bottom left.

You now have access to the basic settings of the license-free MxMC version and to a large number (currently approx. 75%) of the settings that are otherwise only accessible via camera firmware.

Note that the extended configuration options in MxMC 2.0 are initially only available for MOBOTIX IoT cameras with Mx6 platform as of firmware MX-V5.2.0.x (only for Mx6 cameras x16 / x26). For the MOBOTIX IoT cameras of the P3 platform (x14 / x15 and x24 / x25), the extended configuration is only available with firmware version MX-V4.7.0.x, which will be released at the beginning of 2019. The integrated MxMC ONVIF-S cameras (MOBOTIX MOVE, third-party) can not be configured via this view and are therefore not displayed in the configuration bar.

Unique MxMC powertool:

In the **configuration bar** on the right, the settings for up to 80 cameras can be adjusted congruently **in seconds**. In order to change individual parameters of several cameras at the same time, simply adjust the parameter in the selection box in the configuration bar. The new value then applies to **all cameras** that previously had the same parameter value. For example, for a group of **up to 80 cameras**, recording can be turned on or off simultaneously with a single click on each of these cameras.

Your advantage: Depending on the size of the system, several hours of configuration can be saved!

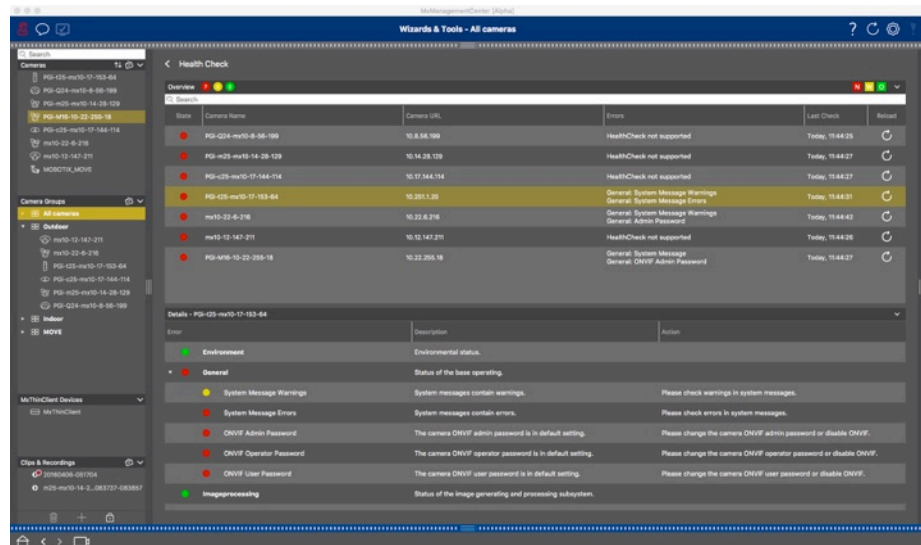## Advanced Service License: Exclusive benefits included!

The newly offered **Advanced Service Licenses** with terms of 1, 2 or 5 years have been designed primarily as an attractive **service offering for end customers** with mission-critical applications, which goes far beyond the actual MxMC application compared to the other licenses. In order to minimize downtimes, Advanced Service License customers with currently difficult problems in their MOBOTIX video system are given the opportunity to contact MOBOTIX as a manufacturer directly for problem solving – in addition to the usual service provided by the MOBOTIX partner.

An Advanced Service License includes the following services (for end customers):

- Exclusive direct access to international MOBOTIX support with response time within 2 hours (Priority Support)
- Typical problem-solving time of 24 hours (except bugs and third-party products)*
- Guaranteed investment protection: free project migration to a new MxMC version within the contract period
- An Advanced Service License applies to up to 64 MxMC workstations and 64 MOBOTIX devices in the project
- Depending on the project size, a corresponding number of Advanced Service Licenses must be purchased
- Exclusive use of the Health Check tool (see below) on the MxMC workstation where the license was activated

* MOBOTIX AG makes every effort to respond to queries from Priority Support, which mean a serious malfunction of the installation, within one working day to support the customer.

Health Check displays the current system status in MxMC
Health Check is a feature currently available for the latest generation of MOBOTIX IoT cameras. The cameras permanently record their system status and display it on the Health Check tool overview page (accessible via the "Wizards & Tools" view). The system messages follow the traffic light symbols (green: no problems, yellow: at least one warning in the system, red: at least one critical state in a camera).

Another advantage of Health Check and Advanced Service:

The system also provides instructions for correcting errors. And if this is not directly possible, VIP support with the shortest response times can be used immediately.

MOBOTIX

How to buy and activate MxMC licenses

The sale of an unlimited number of MxMC licenses or activation IDs for the MxManagementCenter is conducted through the same sales channel as the sale of a MOBOTIX camera, in other words, directly by a MOBOTIX partner. The MOBOTIX partner responsible for the end customer can then send a MOBOTIX MxMC license directly to the customer via email using our online license portal.

Stocking up with licenses by the partner or end customer is also always possible if they are valid for an indefinite period of time (applies to all licenses except Advanced Service).

Detailed operating manuals for the license portal that are tailored to the status of the partner can be found on the MOBOTIX website at the following link (the link can also be found in the protected partner section):

https://www.mobotix.com/en/support/download-center/software-downloads/license-portal

Download and Release Notes:

mobotix.com > Support > Download Center > Software Downloads > MxManagementCenter

MxManagementCenter Version 2.0 for Windows and Mac OS X	
Description	**Order Number**
MOBOTIX video management software MxManagementCenter (MxMC) • **Versions 2.0** for **Windows** (Vista or later) or **macOS** (10.9 or higher) • Language packs: English, German, French, Spanish, Italian, Russian, Turkish, Portuguese, Japanese • System requirements: 2 GHz processor (min.), at least 2 GB RAM, video card with support for OpenGL V2.1 • Download free of charge: www.mobotix.com > Support > Download Center > Software Downloads > Cameras > MxManagementCenter	Mx-SW-MC
MxMC POS Single Cash Point License for connecting a cash register to an MxMC workstation (MxMC 1.7 or higher), no time limit for use, unlimited number of users • Download via external license portal (access data required)	Mx-SW-MC-POS
MxMC Advanced Config License for using the advanced configuration with a MxMC workstation (as of MxMC 2.0) • No time limit for use, unlimited number of users per workstation • Download via external license portal (access data required)	Mx-SW-MC-ADCON
MxMC Integration Starter License for the general use of H.264 with a MxMC workstation (as of MxMC 2.0) for live images, playback and/or export • Unlimited number of users per workstation • No time limit for use • Up to 9 H.264 video channels for third-party ONVIF-S cameras included • Download via external license portal (access data required)	Mx-SW-MC-STARTER
MxMC Integration Channel License for using an additional video channel from an external ONVIF-S compliant IP camera with a MxMC workstation (as of MxMC 2.0) • No time limit for use, unlimited number of users per workstation • Download via external license portal (access data required)	Mx-SW-MC-CHAN
MxMC Advanced Service License 1 Year for using the advanced system service and the MxMC Health Check with a MxMC workstation (as of MxMC 2.0) • Valid for up to 64 MOBOTIX devices • Validity: 1 year/12 months • Unlimited number of users per workstation • Download via external license portal (access data required)	Mx-SW-MC-AS-1
MxMC Advanced Service Lizense 2 Years for using the advanced system service and the MxMC Health Check with a MxMC workstation (as of MxMC 2.0) • Valid for up to 64 MOBOTIX devices • Validity: 2 years/24 months • Unlimited number of users per workstation • Download via external license portal (access data required)	Mx-SW-MC-AS-2
MxMC Advanced Service License 5 Years for using the advanced system service and the MxMC Health Check with a MxMC workstation (as of MxMC 2.0) • Valid for up to 64 MOBOTIX devices • Validity: 5 years/60 months • Unlimited number of users per workstation • Download via external license portal (access data required)	Mx-SW-MC-AS-5