

MOBOTIX Product News - February 2024



- MOVE Turret Cameras 2MP/5MP
- c71 NurseAssist: Integration in MOBOTIX HUB
- ManagementCenter 2.8 with Thermal Dashboard PlugIn
- Further Updates: MOBOTIX 7, SYNC, MOBOTIX HUB
- MOBOTIX MOVE NVR 8/16 with doubled RAM



- 1. Webinar and Software Updates
- 2. MOBOTIX MOVE Vandal Turret Cameras 2MP & 5MP
- 3. MOBOTIX ManagementCenter 2.8 with Thermal Dashboard PlugIn
- 4. MOBOTIX c71 NurseAssist*: Integration in MOBOTIX HUB
- 5. Software Updates: MOBOTIX HUB 2023 R3 and MOBOTIX SYNC
- 6. MOBOTIX 7 Firmware Update incl. Irisity Anonymization App
- 7. MOBOTIX MOVE NVR 8/16 with doubled RAM
- 8. Important Links and Downloads

* Currently not available for USA, Canada and Latin America.

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Webinar and Software Updates

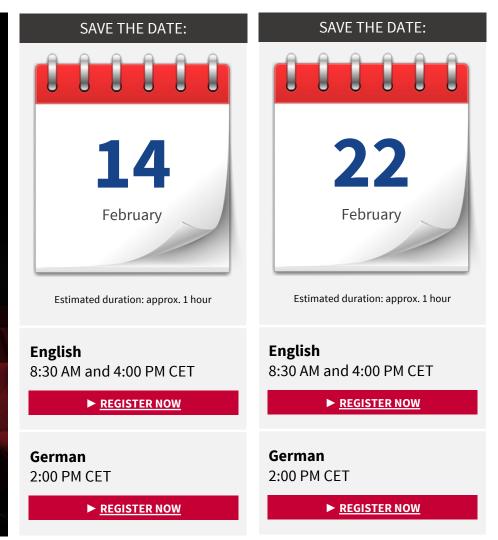


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We look forward to your participation and your questions!



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MOBOTIX

MOBOTIX c71 NurseAssist - powered by Kepler

German:

February 23, 2024, 2:00 p.m. CET: <u>https://attendee.gotowebinar.com/rt/1579917281662927967</u>

English:

February 23, 2024, 8:00 AM CET: <u>https://attendee.gotowebinar.com/rt/5860369924662087776</u> February 23, 2024, 4:00 PM CET: <u>https://attendee.gotowebinar.com/rt/5860369924662087776</u>

Extension solution for fire protection:

Thermal Dashboard in the MxManagementCenter

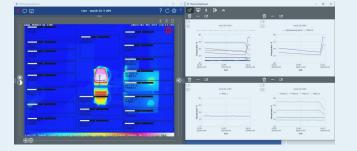
German:

March 28, 2024, 14:00 CET: <u>https://attendee.gotowebinar.com/rt/6664938657802130779</u>

English:

March 7, 2024, 8:30 AM CET: <u>https://attendee.gotowebinar.com/rt/6860796863078078553</u> March 7, 2024, 4:00 PM CET: <u>https://attendee.gotowebinar.com/rt/6860796863078078553</u> March 28, 2024, 8:00 AM CET: <u>https://attendee.gotowebinar.com/rt/3306983967082930522</u> March 28, 2024, 4:00 PM CET: <u>https://attendee.gotowebinar.com/rt/3306983967082930522</u>





Current updates 2023/2024

2024:

- January 26: MOBOTIX HUB Plug-Ins 2024-01-26; MOBOTIX HUB Plug-Ins 2024-01-26 for Milestone XProtect
- January 16: MOBOTIX Certified Apps Release 2024-01-04
- January 12: MOBOTIX 7 MX-System Release 7.3.4.12
- January 12: MOBOTIX HUB 2023 R3

2023:

- December 15: MOBOTIX HUB DriverInstaller 131a
- December 15: MxManagementCenter Release 2.8
- November 30: MOBOTIX HUB Security Patches 2023-11-30
- November 24: MOBOTIX CLOUD App Release 8.4.4
- November 9: MOBOTIX HUB DriverInstaller 130a
- October 27: MOBOTIX HUB Plug-Ins 2023-10-27 for Milestone XProtect
- October 24: MOBOTIX NAS QNAP Upgrade
- October 23: MxMOVE NVR CMS Release mb20221031CMS
- October 23: MOBOTIX MOVE NVR Releases mb20231013NVR64 & mb20231013NVR816
- October 23: MOBOTIX MOVE Releases mb20230830NX, mb20230830SX, mb20230830UX, mb20230731UX_4K_ALPR, mb20230830UX_8G, mb20231013NVR64, mb20231013NVR816
- October 16: MX-System Release 5.4.9.4-r1 for MOBOTIX Mx6 cameras x16/x26

Note: The very first MOBOTIX mobile App will no longer be updated and will only be available until it is removed by Apple.

Note on MOBOTIX software updates

Electronic systems also need to be updated from time to time to ensure that they function optimally. Here you should not hesitate. Here are four good reasons why you should always consider updating your software:

- 1. Closing security gaps: Security is the most important reason for updating software immediately.
- 2. New functions: New functions can be added by installing updates. Technology is constantly changing and updates offer the latest features and improvements.
- **3. Improving performance**: Not all software updates are security-related, but contribute to improving the performance of the software.
- **4. Ensure compatibility:** Without updates, older video systems may not be able to work with newer video management systems, for example.

Click here to go to the software download area on the MOBOTIX website: <u>https://www.mobotix.com/en/software-downloads</u>

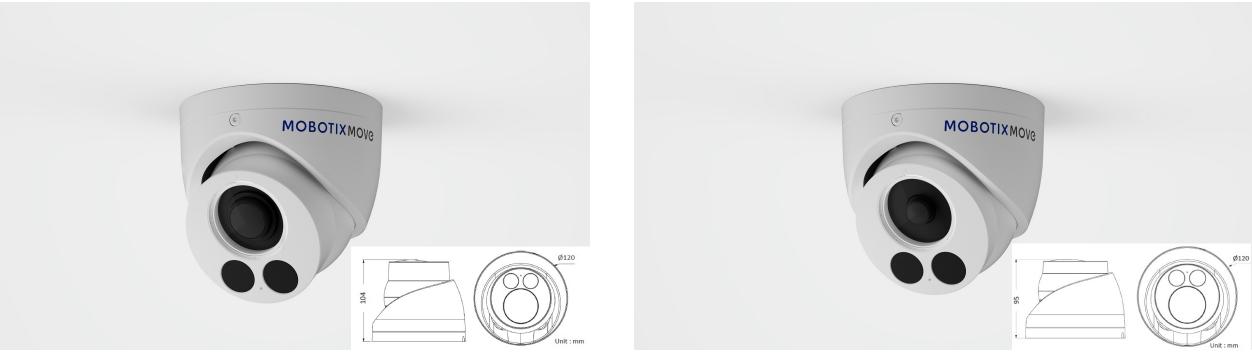


MOBOTIX MOVE Vandal Turret Cameras 2MP & 5MP



The new MOBOTIX MOVE Turret cameras are here:

High-performance and extremely cost-effective security cameras in the usual high MOBOTIX quality! Easy to use anywhere thanks to the practical turret design. Available as motorized varifocal or fixed lens version with 2MP or 5MP image sensor (day & night). Always with two integrated infrared LEDs (up to 30 m). Everything that matters is included here!



MOVE Turret 203-IR/503-IR with varifocal lens, 2MP or 5MP image sensor Field of View (2MP): H: 111°-33°, V: 61°-19°; Field of View (5MP): H: 103°-31°, V: 76°-23°

MOVE Turret 2-IR/5-IR with fixed lens, 2MP or 5MP image sensor Field of View (2MP): H: 105°, V: 56°; Field of View (5MP): H: H: 97°, V: 70.5°

MOBOTIX

Modern all-round cameras in a flexible Turret design

The MOBOTIX MOVE Turret cameras with their particularly bright 2MP or higher resolution 5MP image sensors were developed to solve standard surveillance tasks at the latest technical level. The dome-less and therefore 100% reflection-free Turret design offers consistently good image quality. The advanced, cost-effective design with its compact and slim optics makes these cameras the ideal choice for a wide range of professional indoor and outdoor applications. The motorized varifocal versions allow you to remotely adjust the field of view and focus with motor assistance, ensuring optimal positioning and alignment even when the requirements of the surveillance scenario change.

The weatherproof and robust camera with high-quality metal housing (IP67 and IK10) ensures reliable operation even under difficult environmental conditions and copes perfectly with ambient temperatures from -30 to 60 °C without any additional heating or fans. The simple installation and alignment options and automatic, brightness-dependent day and night switching plus the integrated infrared LEDs make the system the perfect choice for a wide range of security-related surveillance tasks.



Typical areas of application:

• Facades, corridors, entrance areas, parking areas, retail

The most important advantages:

- Wide range of applications: Motorized varifocal or fixed focal length lens, each with 2MP or 5MP sensor
- Real day/night function with mechanical blocking filter
- No light reflection due to dome-less turret design
- High low-light performance also for color sensors (2MP: up to 0.03 lux, 5MP: up to 0.18 lux), can also be used in B/W or night mode at 0 lux thanks to integrated IR illumination (up to 30 m)
- Integrated pixel-based video analysis (intrusion, object counting), from Q2/2024 via free firmware update also including object detection (human, vehicle)
- Multi-codec support (H.265/H.264/MJPEG)
- WDR up to 120 dB
- MicroSD card support up to 256 GB (SD card not included)
- Supports ONVIF profiles S/G/T/M
- Weatherproof (IP67) at -30 to 60 $^\circ$ C /-22 to 140 $^\circ$ F
- Vandal-proof full metal housing (IK10)
- Integrated microphone
- Compatible with <u>MOBOTIX MOVE NVR</u>, MOBOTIX HUB & CLOUD
- NDAA compliant
- 5-year guarantee, MTBF: 95,000 h

MOBOTIX



Stand-alone operation or simple integration into large and small video surveillance systems

The camera can be easily integrated into standard VMS systems such as MOBOTIX HUB or MOBOTIX CLOUD but can also be used as a simple local system solution together with a license-free MOBOTIX MOVE NVR. Direct access via a standard web browser - without any additional devices or licenses - is also possible. Data can be stored either on the camera itself (microSD card slot card not included), on an NVR/NAS or in the CLOUD.



Fixed focal length lens or motorized varifocal lens



Integrated IR LEDs up to 30 m



Integrated pixel-based video analysis (intrusion/object counting), from Q2/2024 via firmware update also with object detection (human/vehicle)



Compact and dome-less design (no reflections from IR emitters)

Beyond Human Vision

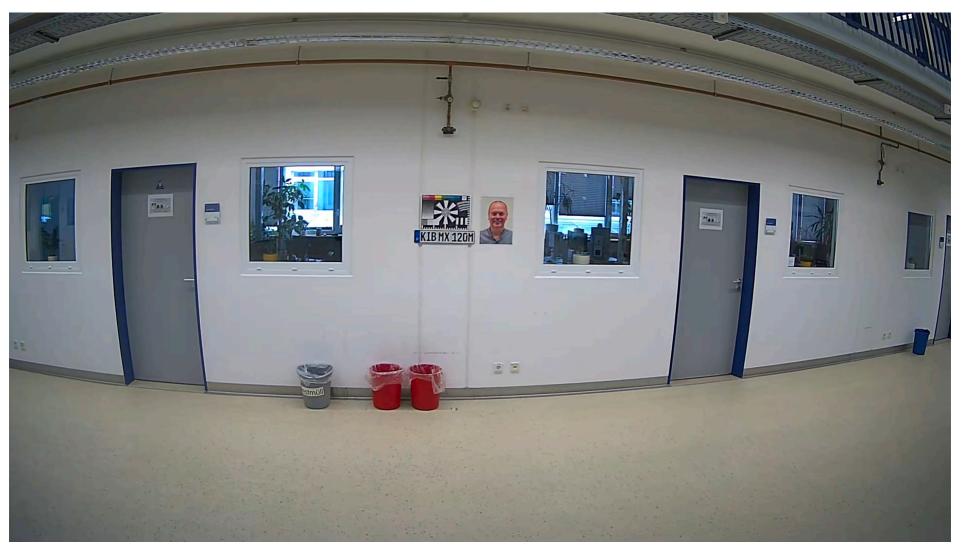
DORI specifications

In the context of video surveillance, "DORI" stands for Detection, Observation, Recognition and Identification and is based on IEC EN62676-4: 2015. These levels define the minimum pixels that a person's face must have in order to enable correct identification, for example.

- **Detection:** Up to this distance, you can reliably determine whether a person or vehicle is present.
- **Observation:** Up to this distance, you can recognize characteristic details of a person, e.g. conspicuous clothing.
- Recognition: Up to this distance, you can determine with a high degree of certainty whether a person is identical to a person who has already been detected.
- Identification: You can determine the identity of a person beyond doubt up to this distance.

Camera	Detection	Observation	Recognition	Identification	License Plate Recognition (Readability)
MOBOTIX MOVE Vandal Turret 2MP Fixed Lens Mx-VT1A-2-IR	18,5 m	12 m	8,13 m	3,89 m	11,5 m
MOBOTIX MOVE Vandal Turret 5MP Fixed Lens Mx-VT1A-5-IR	26 m	15 m	7,7 m	4,38 m	11,5 m
MOBOTIX MOVE Vandal Turret 2MP Varifocal Lens Mx-VT1A-203-IR	19.9 m (Wide) 51 m (Tele)	11.5 m (Wide) 26.1 m (Tele)	7.2 m (Wide) 15.9 m (Tele)	3.2 m (Wide) 6.9 m (Tele)	 35 m (Tele)
MOBOTIX MOVE Vandal Turret 5MP Varifocal Lens Mx-VT1A-503-IR	23 m (Wide) 52 m (Tele)	12 m (Wide) 31.6 m (Tele)	9.8 m (Wide) 25.8 m (Tele)	4 m (Wide) 10.9 m (Tele)	 35 m (Tele)

Example image Mx-VT1A-2-IR





Example image Mx-VT1A-5-IR





2. MOBOTIX MOVE Vandal Turret Cameras 2MP & 5MP

Example image Mx-VT1A-203-IR





Example image Mx-VT1A-503-IR





Order information Camera		
Model name Order number	Description	MSRP price*
MOBOTIX MOVE Vandal Turret 2MP Fixed Lens Mx-VT1A-2-IR	MOBOTIX MOVE vandalism turret network camera Mx-VT-2-IR - Max. Image resolution: 2MP (1920x1080), 1/2.8" progressive CMOS - ONVIF S/G/T/M camera with integrated IR LEDs (up to 30 m) for day and night operation - Automatic switching from color to B/W image (mechanical IR cut filter) - Fixed focal length lens (F1.6: 2.8 mm), viewing angle H: 105°, V: 56°) - 2-axis adjustment (pan/tilt)- IP67/IK10 - Ambient temperature -30 to 60°C, humidity 10 to 90% non-condensing - Video codecs: H.264, H.265, MJPEG (up to 3 video streams simultaneously) - Built-in microphone - True WDR (120 dB) - Max. Frame rate: 2MP H.264, H.265 @ 30 fps; MJPEG: 1080p @ 30 fps - Power supply: 12V DC or PoE IEEE802.3af class 3, max. 10 W - MTBF: 95,000h - Warranty: 5 years	
MOBOTIX MOVE Vandal Turret 5MP Fixed Lens Mx-VT1A-5-IR	MOBOTIX MOVE vandalism turret network camera Mx-VT-5-IR - Max. Image resolution: 5MP (2592x1944), 1/2.8" progressive CMOS - ONVIF S/G/T/M camera with integrated IR LEDs (up to 30 m) for day and night operation - Automatic switching from color to B/W image (mechanical IR cut filter) - Fixed focal length lens (F1.6: 2.8 mm), viewing angle H: 97°, V: 70.5 °) - 2-axis adjustment (pan/tilt) - IP67/IK10 - Ambient temperature -30 to 60°C, humidity 10 to 90% non-condensing - Video codecs: H.264, H.265, MJPEG (up to 3 video streams simultaneously) - Built-in microphone - True WDR (120 dB) - Max. Frame rate: 5MP H.264, H.265 @ 30 fps; MJPEG: 1080p @ 30 fps - Power supply: 12V DC or PoE IEEE802.3af class 3, max. 10 W - MTBF: 95,000h - Warranty: 5 years	On request from your MOBOTIX partner:
MOBOTIX MOVE Vandal Turret 2MP Varifocal Lens Mx-VT1A-203-IR	MOBOTIX MOVE Vandalism Turret Network Camera Mx-VT-203-IR - Max. Image resolution: 2MP (1920x1080), 1/2.8" progressive CMOS - ONVIF S/G/T/M camera with integrated IR LEDs (up to 30 m) for day and night operation - Automatic switching from color to B/W image (mechanical IR cut filter) - Motor-controlled varifocal lens (F1.4-2.8: 2.7 to 13.5 mm, viewing angle H: 111°-33°, V: 61°-19°) - 2-axis adjustment (pan/tilt) - IP67/IK10 - Ambient temperature - 30 to 60°C, humidity 10 to 90% non-condensing - Video codecs: H.264, H.265, MJPEG (up to 3 video streams simultaneously) - Built-in microphone - True WDR (120 dB) - Max. Frame rate: 2MP H.264, H.265 @ 30 fps; MJPEG: 1080p @ 30 fps - Power supply: 12V DC or PoE IEEE802.3af class 3, max. 10 W - MTBF: 95,000h - Warranty: 5 years	<u>https://www.moboti x.com/en/find-a-</u> <u>partner</u>
MOBOTIX MOVE Vandal Turret 5MP Varifocal Lens Mx-VT1A-503-IR	MOBOTIX MOVE vandalism turret network camera Mx-VT-503-IR - Max. Image resolution: 5MP (2592x1944), 1/2.8" progressive CMOS - ONVIF S/G/T/M camera with integrated IR LEDs (up to 30 m) for day and night operation - Automatic switching from color to B/W image (mechanical IR cut filter) - Motor-controlled varifocal lens (F1.4-2.8: 2.7 to 13.5 mm, viewing angle H: 103°-31°, V: 76°-23°) - 2-axis adjustment (pan/tilt) - IP67/IK10 - Ambient temperature - 30 to 60°C, humidity 10 to 90% non-condensing - Video codecs: H.264, H.265, MJPEG (up to 3 video streams simultaneously) - Built-in microphone - True WDR (120 dB) - Max. Frame rate: 5MP H.264, H.265 @ 30 fps; MJPEG: 1080p @ 30 fps - Power supply: 12V DC or PoE IEEE802.3af class 3, max. 10 W - MTBF: 95,000h - Warranty: 5 years	

*MOBOTIX MSRP prices are recommended net sales prices Ex Works (EXW), ex works in Germany. In some countries, MOBOTIX distributors have to set higher local sales prices due to import regulations/customs duties.

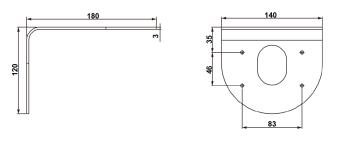
MOBOTIX

2. MOBOTIX MOVE Vandal Turret Cameras 2MP & 5MP - Ordering Information

Order information Camera			
Model name Order number	Description	MSRP price*	
Wall mount for MOBOTIX MOVE Vandal Turret cameras Mx-M-VT-WM	L-shaped wall bracket made of aluminum (load capacity: 10 kg) - Suitable for MOVE Vandal Turret cameras (VT- 2-IR, VT-5-IR, VT-203-IR, VT-503-IR)	On request from your	
Adapter mounting plate for MOBOTIX MOVE Vandal Turret cameras Mx-M-VT-AP	Aluminum adapter mounting plate for the MOVE ceiling suspension set Mx-M-SD-PM - Suitable for MOVE Vandal Turret cameras (VT-2-IR, VT-5-IR, VT-203-IR, VT-503-IR)	MOBOTIX partner: https://www.mobotix. com/en/find-a-	
Connection box for MOBOTIX MOVE Vandal Turret cameras Mx-M-VT-JB	Aluminum connection box - For connecting the camera to the PoE network cable (for surface-mounted installations) - Suitable for MOVE Vandal Turret cameras (VT-2-IR, VT-5-IR, VT-203-IR, VT-503-IR)	partner	

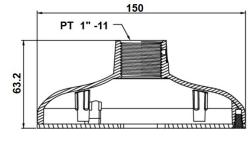
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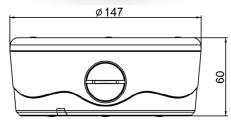
Mx-M-VT-WM





Mx-M-VT-AP





Mx-M-VT-JB



Competitor Comparison



2. MOBOTIX MOVE Vandal Turret Cameras 2MP Fixed Lens - Comparison with Competitors

MOBOTIX MOVE 2MP Fixed	Competitor A	Competitor B	Competitor C	Competitor D	Competitor E	Competitor F	Competitor G
IP67 IK10	IP66/IP67 IK08	IP66 IK10	IP67 IK10	IP67 IK10	IP66 IK10	IP66 IK08	IP66 IK10
0.035 lx (C) 0.015 lx (IR)	<mark>0.17 lx</mark> (C) 0.005 lx (IR)	0.03 lx (C) 0 lx (IR)	0.002 lx (C) 0 lx (IR)	0.0017 lx (C) 0 lx (IR)	<mark>0.1 lx</mark> (C) 0 lx (IR)	0.01 lx (C) 0.005 lx (IR)	<mark>0.065 lx</mark> (C) 0 lx (IR)
30 m IR	20 m IR	30 m IR	30 m IR	30m IR	15 m IR	15 m IR	30 m IR
WDR 120 dB	120 dB	120 dB	120 dB	120 dB	120 dB	110 dB	120 dB

That's why MOBOTIX:

- Integrated microphone
- Future functions available via free firmware update
- Practical IR range (30 m)
- Variants with fixed focal length or varifocal lens, each 2MP or 5MP
- Slim design with IP67/IK10
- ONVIF Profile S/G/T/M
- Impressive WDR picture quality
- NDAA compliant

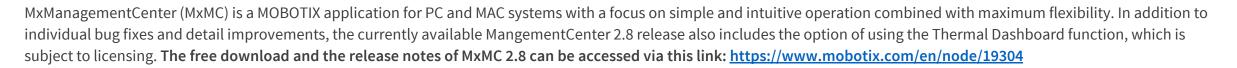




MOBOTIX ManagementCenter 2.8 with Thermal Dashboard PlugIn



More possibilities with thermal cameras - MxMC 2.8 with optional Thermal Dashboard is here!



New Thermal Dashboard function (subject to license, 30-day demo license available free of charge)

The use of the Thermal Dashboard is subject to a fee and requires the purchase of a corresponding license. With the base license, the temperature data of up to four MOBOTIX thermal cameras (from M15/S15 Thermal up to M73/S74 Thermal) can be displayed in the dashboard. A device license must be activated for each additional thermal camera. Further information on licenses can be found here in the **MOBOTIX Community:** <u>https://community.mobotix.com/t/mxmc-thermal-dashboard-license-info/7323</u> More about Thermal Dashboard can be found on the following pages.

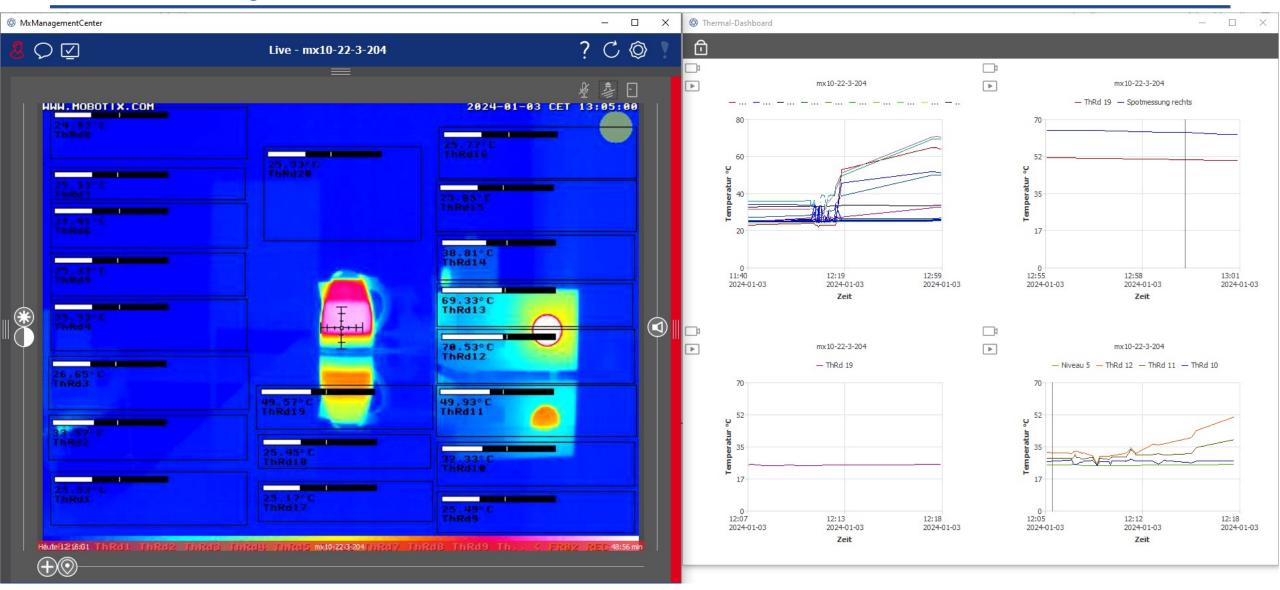
Ordering information Thermal Dashboard licenses for MxManagementCenter 2.8		
Model name Order number	Description	MSRP price*
Thermal Dashboard Base License for MxMC Mx-SW-MC-Th-DB-Bas	Activates the MOBOTIX Thermal Dashboard in the MxMC (from 2.8) and supports the MOBOTIX Thermal camera functions - Main application focus: - Live monitoring and monitoring of temperature-critical processes - Subsequent analysis of the temperature curve - Supports MOBOTIX P3, P6 and P7 thermal cameras - Restriction of the P3 to temperature graphs: no hot spot areas - License is activated via the MOBOTIX License Portal License is not transferable - One license per MxMC is required Thermal graphs of max. 4 thermal cameras can be integrated with one license - Additional thermal cameras require one MOBOTIX MxMC Device license per camera - Permanent license	On request from your MOBOTIX partner: https://www.mobotix.
Thermal Dashboard Base Demo License Mx-SW-MC-Th-DB-Bas-30	30-day demo license, available directly from MOBOTIX, please contact: sales@mobotix.com	<u>com/en/find-a-</u> partner
Thermal Dashboard Device License Mx-SW-MC-Th-DB-Dev	Activates an additional camera for the MOBOTIX Thermal Dashboard in the MxMC - Supports MOBOTIX Thermal cameras P3, P6 and P7 - Permanent license	

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3. MOBOTIX ManagementCenter 2.8 - Thermal Dashboard for one Camera



Thermal Dashboard for MxMC (license required)

The visualization of temperature values is used in many applications to prevent damage or disruption to process sequences in many control rooms. MOBOTIX provides this functionality as a system provider with the newThermal Dashboard in the MxMC.

Main areas of application:

- Live monitoring and supervision of temperature-critical processes
- Subsequent analysis of the temperature curve
- Take measures before a critical temperature is reached
- The playback function can also be used to research emergency shutdowns or alarms retrospectively in order to avoid future failures by taking appropriate measures

The following main features are available to the user:

- Display of temperature graphs in live mode and in playback mode
- Playback navigation double-click on the temperature graph to switch to the playback view at the selected point in time; in the playback view, the player jumps to the clicked points in time on the temperature graph
- Several threshold values can be defined with visual alarms if they are exceeded or not reached, including logging in the system log files
- Export of temperature data in CSV format with camera reference image and plot of the selected curve diagram
- Thermal graphs are displayed in a separate window

MxMC Thermal Dashboard at a glance

What you can do with it:

- Graphical display of temperature data from MOBOTIX thermal cameras of the P3 to P7 system platforms
- Visual or audible alarm when individual limit values are exceeded or not reached
- Dashboard cameras individually selectable via context menu
- Data export via CSV file
- Any network messages can be triggered via softbuttons in MxMC (e.g. switching off machines that are too hot, triggering warning sirens)

Those who can benefit directly:

- Anyone who wants to conveniently monitor the temperatures at several locations or thermal cameras at the same time
- Example applications: Monitoring of pipelines in industry, monitoring of cold chains in food production, early hazard detection in wood processing companies and in recycling plants and many more.

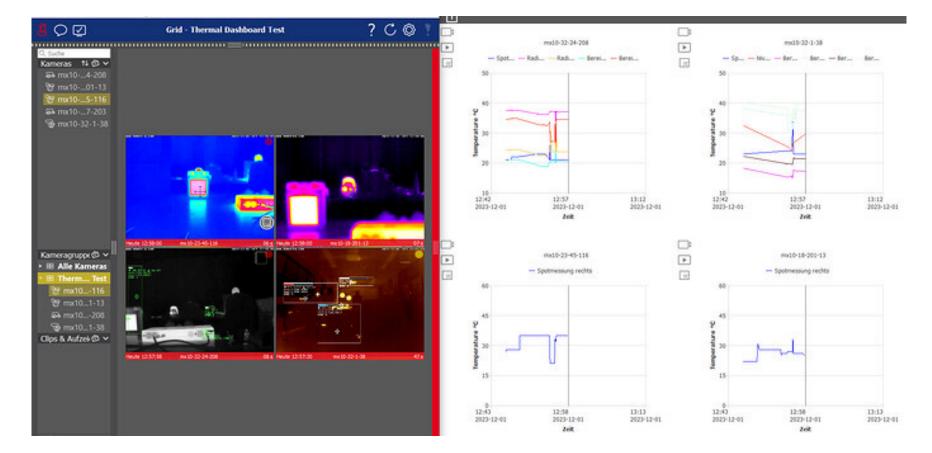
Most important advantages of the MOBOTIX solution?

- Particularly lean and easy to use solution via standard PC (Win/Mac)
- No extra server required thanks to decentralized MOBOTIX cameras with integrated video analysis

Example with four MOBOTIX thermal cameras:

- M15 Thermal with spotmeter (requires Periodic Event)
- M16 Thermal with spotmeter
- M73 VGA with various radiometry events
- S74 CIF with various radiometry events

More information and sample images relating to the Thermal Dashboard in MxMC (version 2.8 and higher only) can be found online in the **MOBOTIX Community**: <u>https://community.mobotix.com/t/mxmc-</u> <u>version-2-8-thermal-dashboard-eng/7325</u>



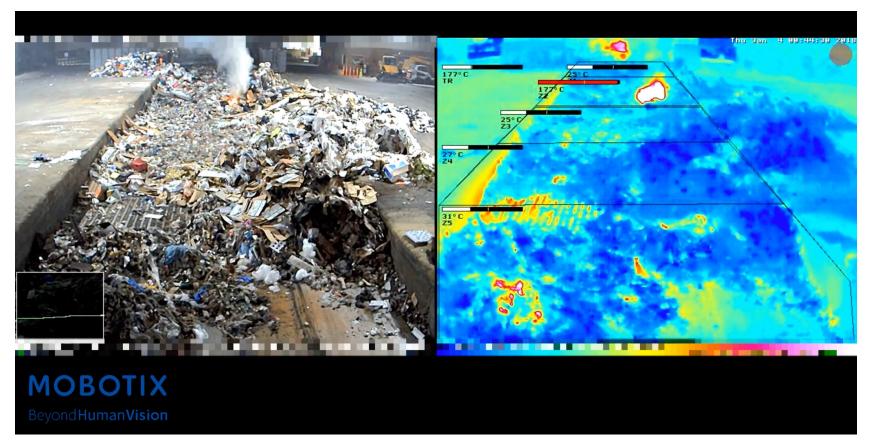
>>> Download and release notes of MxMC 2.8: https://www.mobotix.com/en/node/19304





3. MOBOTIX ManagementCenter 2.8 - Example Waste Disposal Plant

Real-life scenario: Thanks to the Thermal Dashboard, the control center can detect the steady rise in temperature before the flames develop and thus react particularly early (evacuate the room, initiate extinguishing)!



Link to the video: https://www.youtube.com/watch?v=a-jWqFWeddA





MOBOTIX c71 NurseAssist: Integration in MOBOTIX HUB



Real-time fall detection with the MOBOTIX c71 Nurse Assist solution

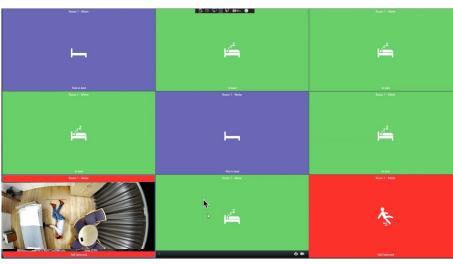
Falls that are detected too late and unauthorized leaving of the bed can now be reliably prevented. The intelligent **MOBOTIX c71 NurseAssist** sensor technology supports hospitals, nursing homes and retirement homes effectively and cost-effectively in protecting patients - automatically around the clock.

The **MOBOTIX c71 NurseAssist** solution consists of a hemispheric c71 camera to be mounted on the ceiling in the patient or care room with a seamless 360° all-round view. The c71 does not function as a surveillance camera but as a highly reliable video analysis sensor with a pre-installed, AI-based healthcare app for automatic detection of people falling or leaving the bed - and direct alerting of nursing staff!

This innovative healthcare application has now become even more user-friendly with valuable additional functions: When NurseAssist is used together with the **MOBOTIX HUB VMS** and the latest **MOBOTIX HUB Plug-Ins** (also available as <u>Milestone XProtect Plug-Ins</u>), it offers the following new features:

- Forensic Search: Support for Kepler Nurse Assist events: Finding falls and unauthorized bed exits.
- Status Tableau: Preview of the uncomplicated, graphically illustrative NurseCall solution
- MOBOTIX HUB Plug-Ins 2024-01-26 (Download & Release Notes): <u>https://www.mobotix.com/en/node/19370</u>





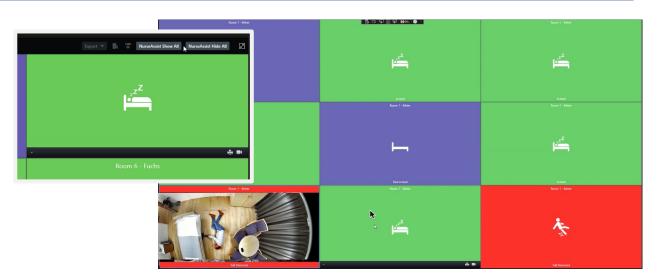
HUB preview of the NurseAssist Dashboard (for testing purposes)

Please also note the information on the c71NurseAssist HUB integration in the MOBOTIX Community: <u>https://community.mobotix.com/t/beta-mobotix-hub-plug-in-december-2023-version-en/7769</u>

4. MOBOTIX c71 NurseAssist: Integration in MOBOTIX HUB

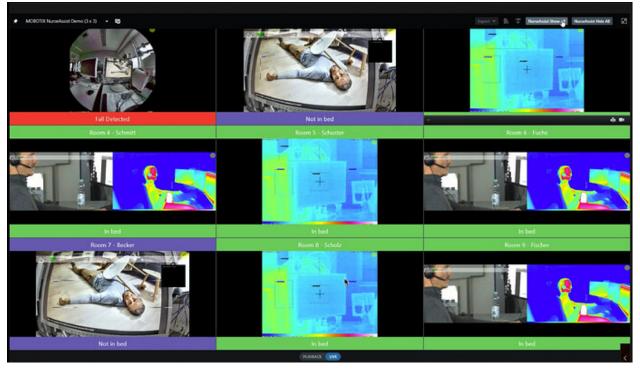
Preview of the NurseAssist function "Status Tableau":

In facilities with many rooms/residents and, for example, a central nurses' room, the status of all rooms equipped with a c71 NurseAssist sensor can be visualized simultaneously in colour in a status tableau (Room Terminal function). In the event of a fall, the fall situation can be assessed by live image if necessary (live image can be deactivated for regional data protection reasons).



Virtual patrols - no more entering rooms, no more disturbing your sleep and privacy!

Especially in 24-hour care, the option of a silent night-time view (without physically entering the room) is an enormous advantage for undisturbed sleep and maximum privacy. With the Nurse Assist Status Tableau, MOBOTIX offers the option of switching to the live view if required. In the current preview version, two switching areas are available for this purpose in the top right-hand corner of the screen. The status of the patient is also displayed in color in the live view and allows a fall in a room to be detected immediately at any time.



Preview of the NurseAssist function "Forensic Search":

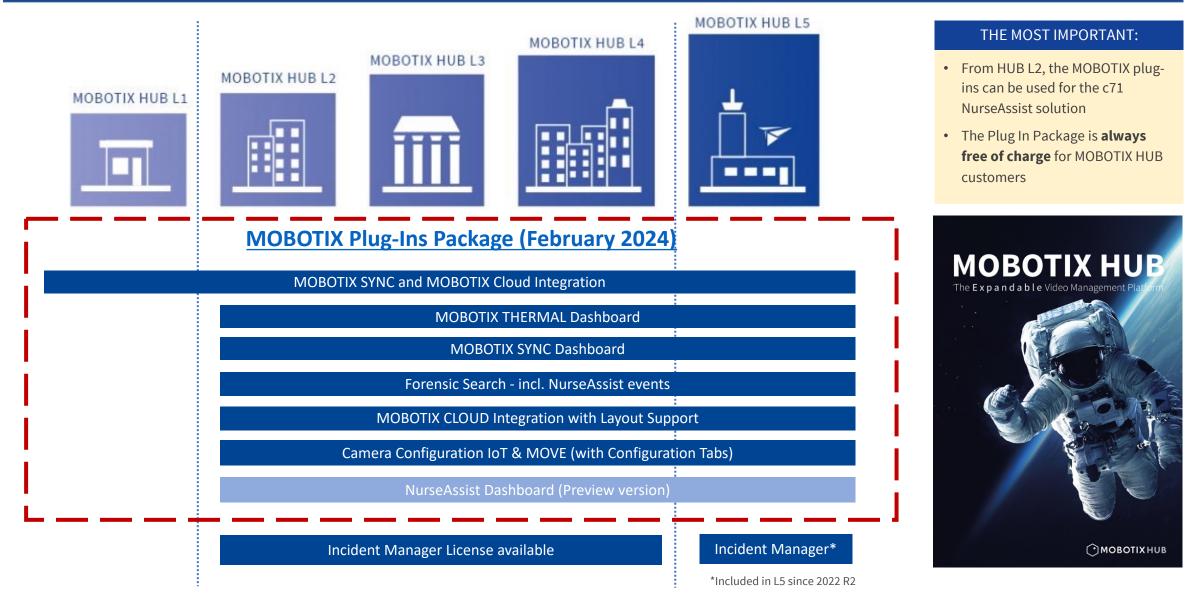
It is important to be able to determine the various patient conditions retrospectively following the research and the precise case analysis.

With the MOBOTIX NurseAssist integration in MOBOTIX HUB, video recordings of falls (only where permitted for data protection reasons) can also be researched retrospectively in order to view the exact sequence of events and the assistance provided.

The Forensic Search function of the MOBOTIX plug-in offers an extension for the events of the MOBOTIX c71 NurseAssist sensors. The search time is significantly reduced by these new search filters.



4. MOBOTIX c71 NurseAssist: Integration in MOBOTIX HUB



MOBOTIX

Order information		
Model name Order number	Description	MSRP price*
c71 Indoor camera 4k, DN016 (day/night) NurseAssist Mx-c71A-NurseAssist	MOBOTIX c71 NurseAssist powered by Kepler Vision Technologies with the following functions: - Monitoring the well-being of patients in private rooms, corridors and common areas of healthcare facilities - Minimizing response times through decentralized fall detection - Prevention of accidents caused by the events: person on the floor, person in bed and person out of bed - Simple and discreet installation - GDPR-compliant operation through event-controlled masking of live and recorded images	On request from your MOBOTIX partner: <u>https://www.mobotix.com/en</u> <u>/find-a-partner</u>

*MOBOTIX MSRP prices are recommended net sales prices Ex Works (EXW), ex works in Germany. In some countries, MOBOTIX distributors have to apply higher local sales prices due to import regulations/duties. Currently not available for USA, Canada and Latin America.





Software Updates: MOBOTIX HUB 2023 R3 MOBOTIX SYNC



5. MOBOTIX HUB Release 2023 R3

MOBOTIX HUB The Expandable Video Management Platform



Please note:

MOBOTIX delivers new MOBOTIX HUB releases with additional functions up to three times a year. Based on our licensing model, each new release requires the purchase of new software licenses. **This does not apply to customers with Advanced Service licenses, who can obtain the updates free of charge!**

From time to time, we provide all HUB customers with software patches free of charge for pure bug fixes, improvements or important adjustments. There are patches for each specific version of MOBOTIX HUB (see the release notes for details). The installation of the patches is recommended by MOBOTIX, as they fix possible bugs and contain a variety of improvements.

The latest **MOBOTIX HUB software update (Release 2023 R3)** is now available from MOBOTIX. On the next page you will find a quick overview of the most important new features of this version.

In addition to the release notes for the current version, please also use the information in the **MOBOTIX** Community: <u>https://community.mobotix.com/t/mobotix-hub-2023-r3-new-features/7759</u>

Beyond Human Vision

Changes compared to MOBOTIX HUB Desk Client 2023 R2

- The Desk Client can now open multiple video tabs, allowing the operator to perform multiple examinations to process evidence from different angles and at different times simultaneously.
- The map has been updated with support for output devices and the use of shape files now allows the definition of a separate outline color for shapes.
- The login process when the Desk Client logs on to systems configured with the MOBOTIX HUB Federated Architecture has been optimized. The effect of this optimization depends on many factors and is particularly noticeable with a high number of management servers.
- You can now restore an export list even if the export job was canceled or successfully completed. Previously, the list could only be restored if the job failed. This change allows users to easily re-export cameras if they have made a mistake, e.g. forgotten a camera.
- In the last version, we introduced the adaptive view for the export in the Desk Client Player. In this version we have made some small improvements:
 - Implementation guide: When a user opens the Desk Client Player, they are now presented with a guide to Adaptive View. The user can start using it, discard the guide or choose not to see it again. Their choice is saved on their Windows device.
 - Camera limit warning: Users receive a warning if they try to display more than 100 cameras in the adaptive view.
 - Permanent camera settings: The changes that users make to the camera properties, such as disabling bounding boxes, are now saved in the adaptive view.



Changes compared to MOBOTIX HUB Web Client 2023 R2

- In 2023 R3, we will be making some changes to the web client to improve user-friendliness:
- New feature introduction guide an optional step-by-step guide for users to turn on or restart to preview new features and how to use them.
- Ability to search by camera description in the left pane as in the Desk Client, operators can now also search for terms in the camera description in the Management Client and not just by camera name.
- Renewed timeline in the "Research" tab Users can now benefit from the new timeline in the "Research" tab, allowing them to use the new time selection mode with brackets, the automatic infinite loop of the selected recording, the preview bookmarks, etc.
- Help buttons for the time selection mode in the "Bookmarks" dialog and on the "Research" tab we have added help buttons in both places where users can interact with the time selection mode for bookmarks. These buttons help the user to quickly find the bookmarks or move them to their current position in the timeline.

Changes compared to MOBOTIX HUB Mobile 2023 R2

There is now a video preview in the alarm detail screen instead of a thumbnail.

Changes compared to MOBOTIX HUB LPR 2023 R2

- The LPR Management Client plug-in 2023 R3 is not backward compatible with older versions of the MOBOTIX HUB event server. Please make sure that the LPR Management Client plug-in is updated at the same time as the MOBOTIX HUB event server.
- New generic country module for the USA. This module can recognize the majority of license plates in the USA, including the state from which the license plate originates.



Changes compared to MOBOTIX HUB Mobile Server 2023 R2

In this version, we have made the following changes to the Mobile Server and its components:

- Commands that relate to the system logon to the Mobile Server and that are not used by the Mobile Server Admin Plugin in the Management Client have been removed to increase security.
- A message has been added to the top bar in the user interface of the mobile server management plugin to notify administrators if there is a problem with the certificate on the server.

Changes compared to MOBOTIX HUB Open Network Bridge 2023 R2

- Open Network Bridge now returns the absolute position of the PTZ dome camera in the feedback of a GetStatus command.
- The Open Network Bridge admin plugin in the management client now gives administrators the option to ignore privacy masking in clients during live streaming and playback. This setting only applies to overrideable privacy masks and works for users who have the Override privacy masking permission enabled for their user and role.

Link to the release notes:

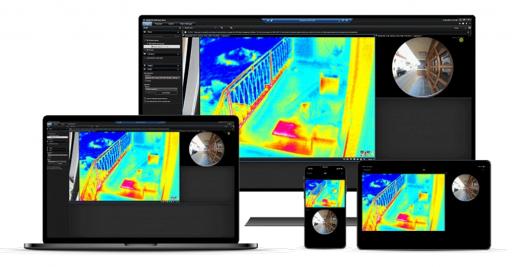
- German: https://www.mobotix.com/sites/default/files/2024-01/MxHUB2023R3_release-notes_de_v1.html
- English: https://www.mobotix.com/sites/default/files/2024-01/MxHUB2023R3_release-notes_en_v1.html

Link to the MOBOTIX HUB page in the software download area:

- German: https://www.mobotix.com/de/node/19313
- English: <u>https://www.mobotix.com/en/node/19313</u>



5. Product Discontinuation of older MOBOTIX HUB Releases



Please note the HUB product life cycle:

- The MOBOTIX HUB Release 2020 R2 will be discontinued on November 12, 2023.
- The MOBOTIX HUB Release 2021 R1 will be discontinued on June 29, 2024.
- The MOBOTIX HUB Release 2024 R1 will be the last version to include Software Manager and Screen Recorder.
- Please switch to the latest release if required.
- HUB updates are available free of charge for all HUB users with an Advanced Services software maintenance package!

Not a HUB expert yet?

No problem! You can book customized **HUB training courses with** a technical or sales focus directly via our training calendar:

https://www.mobotix.com/en/support/trainings/trainingcalendar



5. MOBOTIX SYNC Service Update



MOBOTIX SYNC

Consolidates decentralized data centrally and makes it optimally usable.

- Collect data
- Structure data
- Visualize data
- Use data



https://www.mobotix.com/de/produkte/mobotix-sync

► <u>DETAILS</u>

► DATA SHEET

Merging data. Use knowledge. Increase revenue.

Rely on business intelligence and new energy for your success: MOBOTIX SYNC data management software expands the potential of video technology. Consolidate data, gain insights and create added value like never before. For more security, more effectiveness and more profit!

Following the successful product launch of MOBOTIX SYNC in May 2023, we are now offering you the first service update with bug fixes, performance improvements and a <mark>30-day free Grafana trial license</mark>.

Details and download (under the MOBOTIX SYNC tab): https://www.mobotix.com/en/software-downloads

Beyond Human Vision





MOBOTIX M73

• Outdoor high-end camera for indoor

Extremely powerful



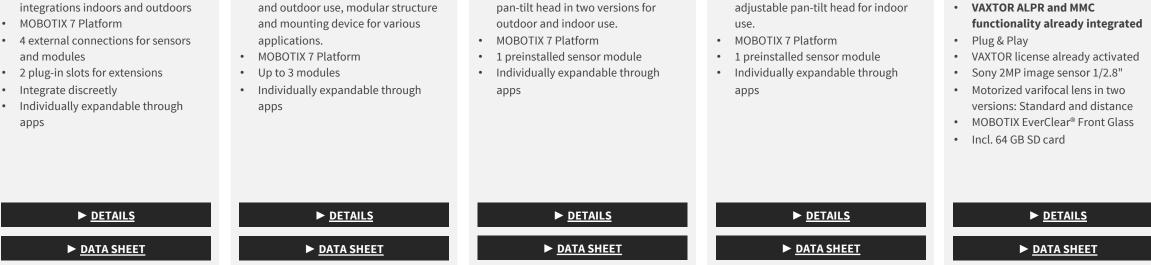




MOBOTIX MOVE ALPR CAMERAS

The all-in-one camera for license plate recognition and vehicle detection

• VAXTOR ALPR and MMC



MOBOTIX

MOBOTIX S74

Extremely versatile

- Modular camera system for individual requirements and integrations indoors and outdoors
- •
- 2 plug-in slots for extensions
- •
- ٠

MOBOTIX D71/v71

Extremely robust

• Dome camera with fixed adjustable pan-tilt head in two versions for

MOBOTIX p71

Extremely attractive

 Indoor dome camera with fixed adjustable pan-tilt head for indoor

5. MOBOTIX SYNC - Compatible Apps

D-AAMX	IABZ3CD45 - 2= 	LPR-V1	33 1203	O LPR VX-2 O
 VAXTOR AIN Airplane Identification Recognition of ICAO and FAA identification numbers Provides real-time metadata such as aircraft ID, aircraft type, country, etc. Exclusion and permission lists 99% accuracy 	 Vaxtor Genesis App The all-rounder among the apps for character recognition Recognizes industry codes, ID cards, labels, serial numbers, etc. Upper case letters and numbers from 2 to 24 characters Securing through grammar rules and basic parameters 	 VAXTOR License Plate Recognition License plate recognition Recognize license plates with global country coverage with over 99% accuracy Exclusion and permission lists App-integrated smart data interface for data research 	 VAXTOR Dangerous Goods License plate recognition incl. dangerous goods plates Recognition of international license plates Recognition of dangerous goods plates (according to ADR standard) Accuracy 99% Exclusion and permission lists 4K resolution possible App-integrated smart data interface for data research 	 VAXTOR LPR Multi Lens License plate recognition with multiple image sensors Simultaneous detection on two image sensors Dwell time monitoring Recognition of international license plates Exclusion and permission lists
► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>

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5. MOBOTIX SYNC - Compatible Apps

		USDOT		MOBOTIXHUB
 VAXTOR Make Model Color License plate recognition with MMC Recognition of international license plates up to 160 km/h Additional recognition of vehicle manufacturer, model, color and class at up to 100 km/h Two lists for individual actions (e.g. access granted/denied, alarm, etc.) Freeflow and Signaled Mode 	 VAXTOR UIC Railway UIC code recognition Recognition of wagon numbers according to the specification of the International Union of Railways (UIC codes) Real-time recognition of: UIC code, country code, vehicle type, control digit, direction of travel. Recognition accuracy >99% 	 VAXTOR USDOT USDOT detection On-board databases: 100,000 read operations can be temporarily stored in the camera Metadata Lists for individual actions (e.g. access granted/denied, alarm, etc.) 	 VAXTOR Container Code Cargo container detection Recognition of freight container codes according to ISO 6346 Two lists with stored container codes for individual actions (e.g. access granted, alarm triggered, etc.) Recognition accuracy >99% 	MOBOTIX HUBPowerful and scalable video management systemThe MOBOTIX SYNC Client can be integrated into MOBOTIX HUB L2 and higher using a plug-in. The plug-in is free of charge.Via the plug-in, the complete user interface of the MOBOTIX SYNC Client is conveniently available within the MOBOTIX HUB user interface.
► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>	► <u>DETAILS</u> ► <u>DOWNLOAD</u>

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5. MOBOTIX SYNC - Ordering Information

MOBOTIX SYNC		
Model name Order number	Description	MSRP price*
MOBOTIX SYNC Server Mx-SYNC-S-BAS	 Storage of metadata and attached images generated by MOBOTIX-certified apps (e.g. Vaxtor ALPR / OCR apps) or other compatible data sources 4 camera licenses including additional cameras via additional license as required Checking incoming license plates/metadata (e.g. automatic license plate recognition) in real time Search and filter existing license plate/metadata based on content such as license plate, country, camera, zone, make, model, color, direction of travel, etc. Downloading and exporting user-defined license plate lists and search results The management of cameras includes: Camera zones Manage and synchronize the list of denied and approved license plates Assignment of actuators (incl. camera I/Os) Management of data retention policies separately for images and metadata Supports GDPR measures with special reports and data deletion Granular user and group authorizations Logging of all interactions on the system, including actions performed by cameras Sending notifications (e.g. by e-mail) Server license term: 3 years 	On request from your MOBOTIX partner: <u>https://www.mobotix.com/en</u> <u>/find-a-partner</u>
MOBOTIX SYNC Camera Device License Mx-SYNC-S-DEV	 1 camera license per additional camera (4 camera licenses included in the Server Base license) Enables cameras to be added to the Server/client as required 	

*MOBOTIX MSRP prices are recommended net sales prices Ex Works (EXW), ex works in Germany. In some countries, MOBOTIX distributors have to set higher local sales prices due to import regulations/customs duties.

5. MOBOTIX SYNC - Ordering Information

MOBOTIX SYNC CLIENT		
Model name Order number	Description	MSRP price*
MOBOTIX SYNC Client Mx-SYNC-S-CLI	 Redundant operation and data storage for applications with intermittent connection to the server (e.g. mobile applications) Active server connection enables continuous data synchronization 	On request from your MOBOTIX partner: <u>https://www.mobotix.com/en</u> <u>/find-a-partner</u>

MOBOTIX SYNC VISUALIZATION		
Model name Order number	Description	MSRP price*
MOBOTIX SYNC Grafana Plug-In Mx-SYNC-P-GRA	 Visualization and consolidation of incoming metadata in customer-specific dashboards included: Statistical insights Data queries Markings & notes Creation and management of warnings/post-actions Exports 	On request from your MOBOTIX partner: <u>https://www.mobotix.com/en</u> <u>/find-a-partner</u>

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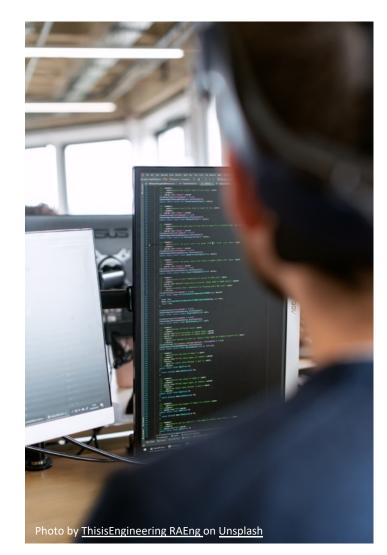




MOBOTIX 7 Firmware Update incl. Irisity Anonymization App



6. MOBOTIX 7 Firmware Update: MX-System Release 7.3.4.12



Firmware for all MOBOTIX 7 camera models M73, S74, D71, v71, p71

This version supports the new Certified **Irisity Anonymization App** (not for hemispherical lenses). Details can be found on the next page, on the app product page on the web and in the release notes for the Certified App package

MOBOTIX



Download direct links:

- App product page: https://www.mobotix.com/en/mobotix-certified-apps/irisity-anonymization
- Demo video on YouTube: <u>https://youtu.be/TOY9_MdgfDk</u>
- Firmware and release notes: <u>https://www.mobotix.com/en/node/19321</u>
- Certified app package: <u>https://www.mobotix.com/en/node/19322</u>

6. New Camera App: IRISITY Anonymization App

Reliable anonymization of persons

The transmission of camera images to further processing systems is considered the most critical route from a data protection perspective. With conventional centralized systems, sensitive areas are identified and alienated at the earliest after transmission to a VMS system. With a 7th generation MOBOTIX camera and the IRISITY Anonymization App, which is now available as a full version, the images and videos to be pixelated are made unrecognizable even **before** they are stored and transmitted to video management systems.

Special features:

- Dynamic pixelation of people
- Maximum privacy thanks to configurable switching to black/white image
- Anonymization already takes place on the camera (on the edge), before transmission to central systems!



THE MOST IMPORTANT THING:

- Complies with GDPR guidelines
- Suitable for indoor and outdoor use
- Recognizes and pixelates people from an image size of 20 pixels
- Anonymization does not work in raw mode (e.g. via RTSP or ONVIF)
- Not suitable for cameras with hemispherical lens

Order information		
Model name Order number	Description	MSRP price*
Irisity Iris Anonymization App Mx-APP-IRIS-ANO	 Irisity Iris Anonymization App with the following functions: Patented dynamic pixelation of people in the camera's field of view developed to comply with GDPR and data protection regulations. Configurable option for forced switching to black/white image to ensure maximum privacy. Can be used when operating the camera indoors and outdoors. Pixelation of people from a minimum height of 20 pixels 	On request from your MOBOTIX partner: <u>https://www.mobotix.c</u> <u>om/en/find-a-partner</u>

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7.

MOBOTIX MOVE NVR 8/16 with doubled RAM

MOBOTIX

7. MOBOTIX MOVE NVR 8/16 with doubled RAM

Plug&Play NVR solution for MOVE cameras incl. free VMS: Now with twice the RAM memory!

Due to the market trend towards IP cameras with higher resolution and higher frame rates, we have decided to take this trend into account on the recording side with our <u>MOBOTIX MOVE NVR</u> by doubling the integrated HW RAM memory. As part of this, we are equipping - at no extra charge! - our 8-channel and 16-channel MOVE NVR devices with double the RAM memory: now 4GB or 8GB instead of the previous 2GB or 4GB. This significantly increases decoding performance and also considerably reduces software/operating times. **The previous MOBOTIX MOVE NVR devices (Mx-S-NVR1A-8-POE and Mx-S-NVR1A-16-POE) are hereby officially discontinued.**



Order Information			
Model name Order number	Description	MSRP price*	
MOBOTIX MOVE NVR Network Video Recorder 8 channels (new: 4GB RAM) Mx-S-NVR1B-8-POE	MOBOTIX MOVE NVR Network Video Recorder with 8 integrated PoE IP camera channels (support of up to 12 IP cameras in total) - 4 GB RAM integrated - Max. Storage capacity net: 20 TB (2x 3.5" SATA3) - Supplied without hard disks (not available from MOBOTIX) - IP data throughput (live & recording): max. 160 Mbps - Recording & playback: H.264 / H.265 - Supports ONVIF S compliant third-party cameras APP remote access (IOS / Android), live, playback - CMS (Central Monitoring Software) remote access - Integrated in MOBOTIX HUB VMS - iSCSI NAS storage support - Incl. power connection cable with EU plug (cable with US/GB/AU plug available on request)	On request from your MOBOTIX partner:	
MOBOTIX MOVE NVR Network Video Recorder 16 channels (new: 8GB RAM) Mx-S-NVR1B-16-POE	MOBOTIX MOVE NVR Network Video Recorder with 16 integrated PoE IP camera channels (support of up to 24 IP cameras in total) - 8 GB RAM integrated - Max. Storage capacity net: 28 TB (2x 3.5" SATA3) - Supplied without hard disks (not available from MOBOTIX) - IP data throughput (live & recording): max. 240 Mbps - Recording compression: H.264 / H.265 - Supports ONVIF S-compliant third-party cameras - APP remote access (IOS / Android), live, playback - CMS (Central Monitoring Software) remote access - Integrated in MOBOTIX HUB VMS - iSCSI NAS storage support - Incl. power connection cable with EU plug (cable with US/GB/AU plug available on request)	<u>https://www.mobotix.</u> <u>com/en/find-a-</u> <u>partner</u>	

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Important Links and Downloads



Become Part of the MOBOTIX Community!



MOBOTIX Community



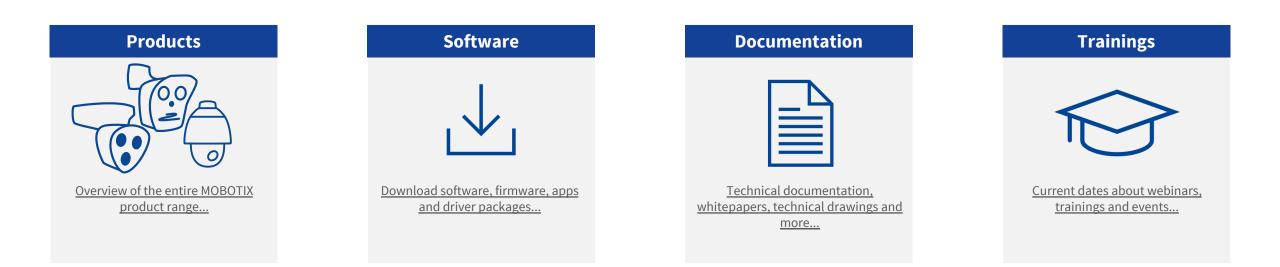
The MOBOTIX Community - support around the clock

Are you a MOBOTIX partner, customer, user or just technically very interested in our innovative quality products like the smart cameras "Made in Germany", MOBOTIX 7 camera apps with latest AI technology or the modern VMS solutions like MOBOTX HUB or MOBOTIX CLOUD?

Visit our community platform now! Our technical support experts as well as experienced external users provide tips on how to set up and use MOBOTIX solutions - and troubleshoot if necessary. In addition to numerous valuable technical information and tips, you can of course also exchange ideas with other members of the worldwide MOBOTIX family in the user forum.

Registration and use of the MOBOTIX Community are of course free of charge: https://community.mobotix.com







Beyond Human Vision

MOBOTIX

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