



MOBOTIX NAS
2-Bay/8 Channels



MOBOTIX NAS
4-Bay/16 Channels



MOBOTIX NAS
8-Bay/32 Channels

Technical Specifications

MOBOTIX NAS Network Attached Storage Devices

Network recording for ONVIF-S cameras and MOBOTIX IoT video systems in 3 variants (8/16/32 channels)







A highly efficient complete solution with secure data storage from a single source, which now allows decentralized and centralized video components to be easily combined. The numerous product advantages of the intelligent MOBOTIX IoT cameras (such as MxAnalytics or MxActivitySensor) are completely retained, while each MxMC workstation can now also be supplemented with the special functions of, for example, a mechanical HighSpeed PTZ camera. Easy to realize without any programming effort!

MxManagementCenter 2.0 (and higher) and MOBOTIX NAS: Codec and camera-type dependent storage options




Video Codec	Type of Camera	SD Card Support	MOBOTIX NAS (with MxMC Interface)	Third-Party NAS (no MxMC Interface)
MxPEG+	MOBOTIX IoT (Mx6 Series)	Yes	Yes (no limitation of the camera number)	Yes (no limitation of the camera number)
MJPEG	MOBOTIX IoT (Mx6 Series)	Yes	Yes (no limitation of the camera number)	Yes (no limitation of the camera number)
	MOBOTIX MOVE	No	Yes (8/16/32 cameras, depending on the NAS)	No (access via MxMC is not supported)
	ONVIF-S Camera (Third-Party)	No	Yes (8/16/32 cameras, depending on the NAS)	No (access via MxMC is not supported)
H.264*	MOBOTIX IoT (Mx6 Series)	No	Yes (8/16/32 cameras, depending on the NAS)	No (access via MxMC is not supported)
	MOBOTIX MOVE	No	Yes (8/16/32 cameras, depending on the NAS)	No (access via MxMC is not supported)
	ONVIF-S Camera (Third-Party)	No	Yes (8/16/32 cameras, depending on the NAS)	No (access via MxMC is not supported)

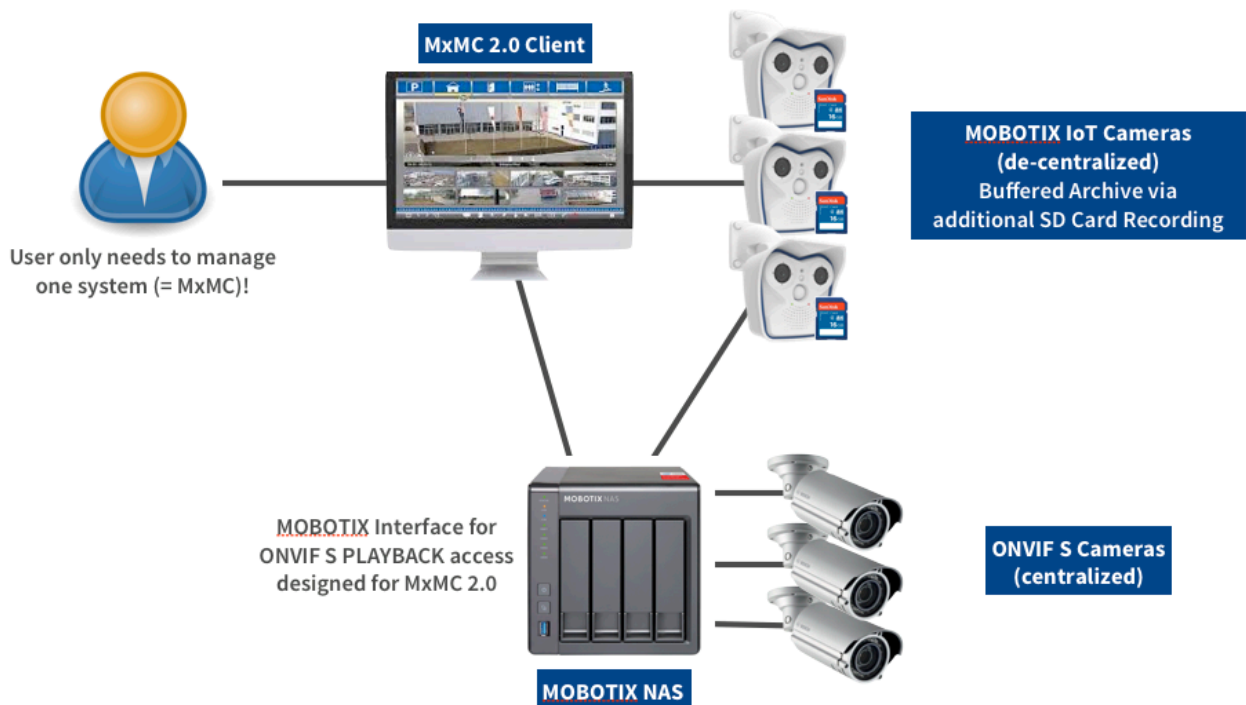
* H.264 is protected by patent, to use the codec at an MxMC workstation a MOBOTIX Integration Starter license is required

MOBOTIX NAS – the most important technical details in comparison

			
Backside view			
Type of NAS	Desktop, 2 bays	Desktop, 4 bays	2U Rackmount, 8 bays
Designation	MOBOTIX NAS 2-Bay/8 Channels	MOBOTIX NAS 4-Bay/16 Channels	MOBOTIX NAS 8-Bay/32 Channels
MOBOTIX order number	Mx-S-NAS2A-8	Mx-S-NAS4A-16	Mx-S-NAS8A-32
ONVIF-S channels: max. number of storable ONVIF-S cameras (H.264/MJPEG)	8 (MOBOTIX MOVE and/or 3rd party cameras)	16 (MOBOTIX MOVE and/or 3rd party cameras)	32 (MOBOTIX MOVE and/or 3rd party cameras)
	MOBOTIX recommends the following picture settings: 1280x1024, 60%, H.264, 20 fps		
MOBOTIX channels: max. number of storable MOBOTIX IoT cameras (MxPEG + / MJPEG)	No limit (the maximum number of cameras is limited only technically, such as bandwidth, resolution, number and length of recorded clips, etc.) MOBOTIX recommends the following picture settings: MEGA, 60%, 12 fps		
Integrated MOBOTIX software to support MxMC 2.0	Yes (client solution, enables camera-specific playback via function-reduced MxMC player, based on ONVIF G standard with proprietary MOBOTIX feature enhancements)		
Supported client systems	Windows 7, Windows 8, Windows 10, Mac OS X 10.6 and later, Linux and UNIX		
CPU	Quad-core Intel® Celeron® 2.0GHz (Burst up to 2.42GHz)		AMD R-Series RX-421ND Quad Core 2.1 GHz Prozessor, Turbo Core up to 3.4 GHz
R.A.M.	8GB (2 x 4GB) DDR3L-RAM		8GB (2 x 4GB) DDR4-2400-RAM
Flash memory	512 MB		
Supported hard drives	2 x 2.5" or 3.5" SATA 6Gb/s, 3Gb/s HDD oder SSD; hot swappable trays	4 x 2.5" or 3.5" SATA 6Gb/s, 3Gb/s HDD or SSD; hot swappable trays	8 x 3.5"/2.5" SATA 6Gb/s HDDs/SSDs; hot swappable trays
Freely selectable NAS hard drives	Each MOBOTIX NAS model is always shipped without hard drives. The customer has the opportunity to choose from a wide range of possible alternatives and always use the products of the preferred manufacturers and quality levels. Hard drives can not be ordered via MOBOTIX, but we will be offering an overview of compatible hard drives on our website .		
Gross storage (without redundancy)	Max. 2x 12 TByte	Max. 4x 12 TByte	Max. 8x 12 TByte
Net storage (with redundancy)	Max. 12 TByte (Raid 1)	Max. 36 TByte (Raid 5)	Max. 84 TByte (Raid 5)
RAID disk redundancy	RAID 0/1/, single, JBOD	RAID 0,1, 5, 6, 10, 5 + spare, single, JBOD	RAID 0/1/5/6/10/50/60, RAID 1/5/6/10/50/60 + spare, single, JBOD
File sharing	User: max. 4096 • User groups: max. 512 • Shared folders: max. 512 • Simultaneous connections: max. 1500		
Power supply (incl.)	1x 60 W, 100-240 V	1x 90 W, 100-240 V	2x 250 W, 100-240 V AC, 50/60 Hz
Power management	Wake on LAN • Stand by mode • Sleep mode • Time control • Automatic restart after restoration of the power supply		
Power consumption	Sleep mode: 0.57 W HDD Stand by: 10.56 W In use: typ. 18.09 W	Sleep mode: 0.57 W HDD Stand by: 15.78 W In use: typ. 33.88 W	Sleep mode: 47 W HDD Standby: 67 W In use: typ 120 W (Boot: < 234 W)

MOBOTIX NAS – the most important technical details in comparison

			
Device connections and slots	<ul style="list-style-type: none"> - 2x Gigabit RJ-45 Ethernet, Port trunking available - 2x USB 3.0 - 2x USB 2.0 - 1x Power supply (IEC connector, 3 pole, C14) 		<ul style="list-style-type: none"> - 4x Gigabit RJ-45 Ethernet, Port Trunking available - 2x 10GbE SFP+ port (via PCIe network card, included) - 2x USB 3.0 and 4x USB 2.0 - 2x M.2 SSD slot 2280/2260 SATA 6Gb/s - 1x PCIe slot gen 3 (x4), preinstalled with dual-port 10GbE SFP+ LAN card - 2x S Power supply (IEC connector, 3 pole, C14)
Power cable	Included (C13, 1.5 m length, EU plug), cable with US / UK / AU plug available on request		
Environmental conditions	0 to 40°C / 5~95% relative humidity		
Dimensions (H x W x D)	168,5 x 102 x 225 mm (6.63 x 4.02 x 8.86 inch)	169 x 160 x 219 mm (6.65 x 6.3 x 8.62 inch)	89 x 482 x 534 mm (3.5 x 18.98 x 21.02 inch)
Weight (without hard disks)	1.28 kg	3 kg	10.96 kg
Supported protocols	CIFS/SMB, AFP (v3.3), NFS(v3), FTP, FTPS, SFTP, TFTP, HTTP(S), Telnet, SSH, iSCSI, SNMP, SMTP, SMSC		
Certificates	CE, FCC, RCM		
Warranty	2 years		



Storage on MOBOTIX NAS with different camera types

Basically, all three MOBOTIX NAS models come with factory-specific MxMC interface software that works in the background. This allows an user via MxManagementCenter as of version 2.0 to play and export the images of all integrated cameras (MOBOTIX IoT or MOBOTIX MOVE or third-party ONVIF-S cameras) stored on the MOBOTIX NAS without having to leave the MxMC application. Migration of an existing video system to MxMC management level is thus easily possible.

To **initialize** the NAS storage of an **ONVIF-S camera**, such as MOBOTIX MOVE or third-party cameras (Axis, Bosch, ...), the password-protected **recording firmware of the MOBOTIX NAS**, which can be called up via a browser, must be used. Depending on the NAS model, **8, 16 or 32 ONVIF video channels** are available, meaning that only a sufficient number of ONVIF-S cameras can store their data on this NAS. If more video channels are required, a corresponding number of additional NAS devices can be added to the network (no limitation on the number of MOBOTIX NAS devices in MxMC as of version 2.0). This is possible at any time without interrupting the network operation. For ease of use, not more than 200 cameras should be connected to a single MxMC workstation.



For the **decentralized** MOBOTIX IoT cameras, the **recording software** is included directly in the camera firmware. The desired recording destination (integrated SD card and / or NAS) can therefore be defined directly via MxMC as of version 2.0 via camera firmware or - now - as part of the advanced configuration function (Advanced Config). For storage on the MOBOTIX NAS, a recording directory must be created via the NAS's own firmware. Now any number of MOBOTIX IoT cameras (with MxPEG+ or MJPEG video codec) can save their recordings there. There is no limitation to the video channels as with the ONVIF-S cameras – but the maximum number of cameras should be selected based on the available NAS storage capacity, the average amount of data and the desired retention time of the recordings.

MOBOTIX NAS Devices: Ordering Information

Order	EAN	Description
Mx-S-NAS2A-8	4047438031639	MOBOTIX Network Attached Storage device with 2 bays and 8 ONVIF-S channels • Max. Storage capacity net (with redundancy): 12 TB • Delivery without hard disks (not available at MOBOTIX) • Incl. Power cable C13 with EU plug (cable with US / GB / AU plug available on request)
Mx-S-NAS4A-16	4047438031684	MOBOTIX Network Attached Storage device with 4 bays and 16 ONVIF-S channels • Max. Storage capacity net (with redundancy): 36 TB • Delivery without hard disks (not available at MOBOTIX) • Incl. Power cable C13 with EU plug (cable with US / GB / AU plug available on request)
Mx-S-NAS8A-32	4047438031691	MOBOTIX Network Attached Storage device with 8 bays and 32 ONVIF-S channels • Max. Storage capacity net (with redundancy): 84 TB • Delivery without hard disks (not available at MOBOTIX) • Incl. Power cable C13 with EU plug (cable with US / GB / AU plug available on request)