ExuS Technology AG

Professional Storage Solution with MOBOTIX Cameras

Based on premium components and the latest MOBOTIX surveillance cameras, QStore QMX products deliver one of the finest solutions of its type. MOBOTIX is the world leader for high resolution video solutions. Qstor QMX is a premium network storage solution that comes with Gigabit Ethernet connectivity and a Posix compatible operating system that incorporates a 7-year long expertise in the OEM business for professional video surveillance. Footage recorded through QStor QMX is archived effectively and made available through your networks.
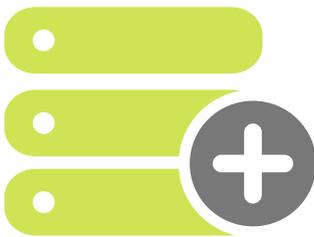
Install in 5 Easy Steps

The state-of-the-art product design includes the installation, which was specifically designed to be easy and efficient. Each QStor QMX product can be configured and deployed into existing networks in minutes and without requiring dedicated network expertise. There are just five easy steps: Unbox, setup, IP address configuration, run our installation wizard and you're all set!

Configuration through our Wizard

Our intuitive installation wizard minimizes the time required to configure Qstor QMX products. Available network cameras will automatically be made available, which saves you the hassle of a manual camera configuration especially on widespread areas with multiple surveillance cameras. Our web-based graphical user interface allows comfortable adjustment of settings for each camera individually.
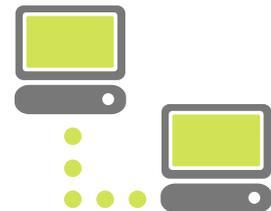
Professional Server RAID Hardware

The optimized operating system and the ease of installation are accompanied by the best hardware available for your video surveillance applications. All devices by ExuS Technology are based on at least 2 GB of RAM and server processors to maximize performance. QStor QMX stores your video footage on very robust and flexible RAID subsystems as well as high reliability hard drives, which were specifically designed for 24/7 operation.

Network Features: Individual IP Addresses, NFS, SMB, Bonjour

It goes without saying that QStor QMX supports all popular network protocols. Bonjour is used for network scanning. Write processes are handled through NFS and read operations are executed via SMB. Each of your video cameras receives an individual IP address and dedicated NFS access trough the installation wizard.

Standard or Pro Edition

QStor QMX is available as a Standard Edition and a Pro model, covering anything between 2 and 12 hard drives, each providing 500 GB, 1 TB, 2 TB or 3TB of storage capacity. The Standard Edition is designed for small and medium scenarios to save physical space. These are based on MD RAID configurations. Standard Edition products support a limited number of surveillance cameras, which has a technical reason:

This way, ExuS Technology ensures that none of the Standard Edition devices can ever run into bandwidth bottlenecks.

The Pro Edition is designed for rack mount environments and requires up to 2U. There is no limitation with regards to the maximum number of surveillance cameras on Pro Edition products.

In addition, the hardware configuration is considerably powerful and flexible. This includes redundant power supplies, hardware-accelerated RAID and support for nested RAID modes. Finally, you can cascade or bond Pro Edition devices through the network interface.

Made in Germany

Functions

Basic Functions:

- Web based user Interface
- support of multiple secured Administrator accounts
- stable file system with Journal function (XFS), no fragmentation
- SNMP support
- Multi Core CPUs
- 64-Bit operating system write optimized for video surveillance storage systems
- mirrored OS on flash modul, (video files and OS are on separate hardware), free OS online update during lifetime
- individual storage size for each network share, online expansion of shares
- drives > 2TB possible
- system configuration can be exported to another QMX systems
- during installation the RAID initialization runs in background, no waiting time for RAID setup
- instant email notification

Network Security:

- Active Directory (Windows 2000/2003/2008 Member Server)
- Windows Domain (PDC Member Server z.B. Windows NT Server)
- integrated users and rights management, Work Group
- ACL support

MD RAID Support:

- QMX RAID Management Software, Raid 0, 1, 5, 6, 10

Network Support

- Jumbo Frames
- network card bundling, Load Balancing, Load Aggregation
- Port Failover
- IEEE802.3ad Link Aggregation (LACP)

File Protocols

- Windows file sharing (SMB/CIFS), FTP Server, NFS, DNS ,WINS

Others

- time synchronization over NTP time server

MOBOTIX extensions (MX-CONFIG)

- Wizard based first installation module
- camera scanning via Bonjour and ARP (Broadcast)
- overview of all connected cameras
- QMX CAM Connect (network accross detection and setup of cameras)
- QMX IP Harmony Tool (changing of IP addresses of all (in one step) or single cameras with wizard)
- QMX CAM Name Tool (changing of camera name for all (in one step) or single cameras with wizard)
- MOBOTIX MX-Remote Preview

QStor QMX Standard

Model	QMX 20 v2	QMX 40	QMX 45	QMX 1040	QMX 1045	QMX 2085
Formfactor	Cube	Cube	Cube	Rackmount	Rackmount	Rackmount
HDD	4	4	4	4	4	8
Capacity	1-12 TB (gross)	2-12 TB (gross)	2-12 TB (gross)	2-12 TB (gross)	2-12 TB (gross)	4-24 TB (gross)
Cameras	5	10	25	25	40	40
RAID System	MD-RAID	MD-RAID	MD-RAID	MD-RAID	MD-RAID	MD-RAID
RAID-Level	0, 1, 5, 10	0, 1, 5, 10	0, 1, 5, 10	0, 1, 5, 10	0, 1, 5, 10	0, 1, 5, 6, 10
Protocols	NFS, SMB, Bonjour	NFS, SMB, Bonjour	NFS, SMB, Bonjour	NFS, SMB, Bonjour	NFS, SMB, Bonjour	NFS, SMB, Bonjour
Network	2x 1GBit RJ45	2x 1GBit RJ45	2x 1GBit RJ45	2x 1GBit RJ45	2x 1GBit RJ45	2x 1GBit RJ45

QStor QMX Pro

Model	QMX 1040+	QMX 2120+	QMX 2120 JBOD
Formfactor	Rackmount	Rackmount	Rackmount
HDD	4	12	12
Capacity	2-12 TB (gross)	6-36 TB (gross)	6-36 TB (gross)
Cameras	80	80+	
RAID System	Hardware-RAID	Hardware-RAID	Hardware-RAID
RAID-Level	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10, 50, 60	0, 1, 5, 6, 10, 50, 60
Protocols	NFS, SMB, Bonjour	NFS, SMB, Bonjour	NFS, SMB, Bonjour
Network	2x 1GBit RJ45	2x 1GBit RJ45	
Power Supply	redundant	redundant	redundant

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