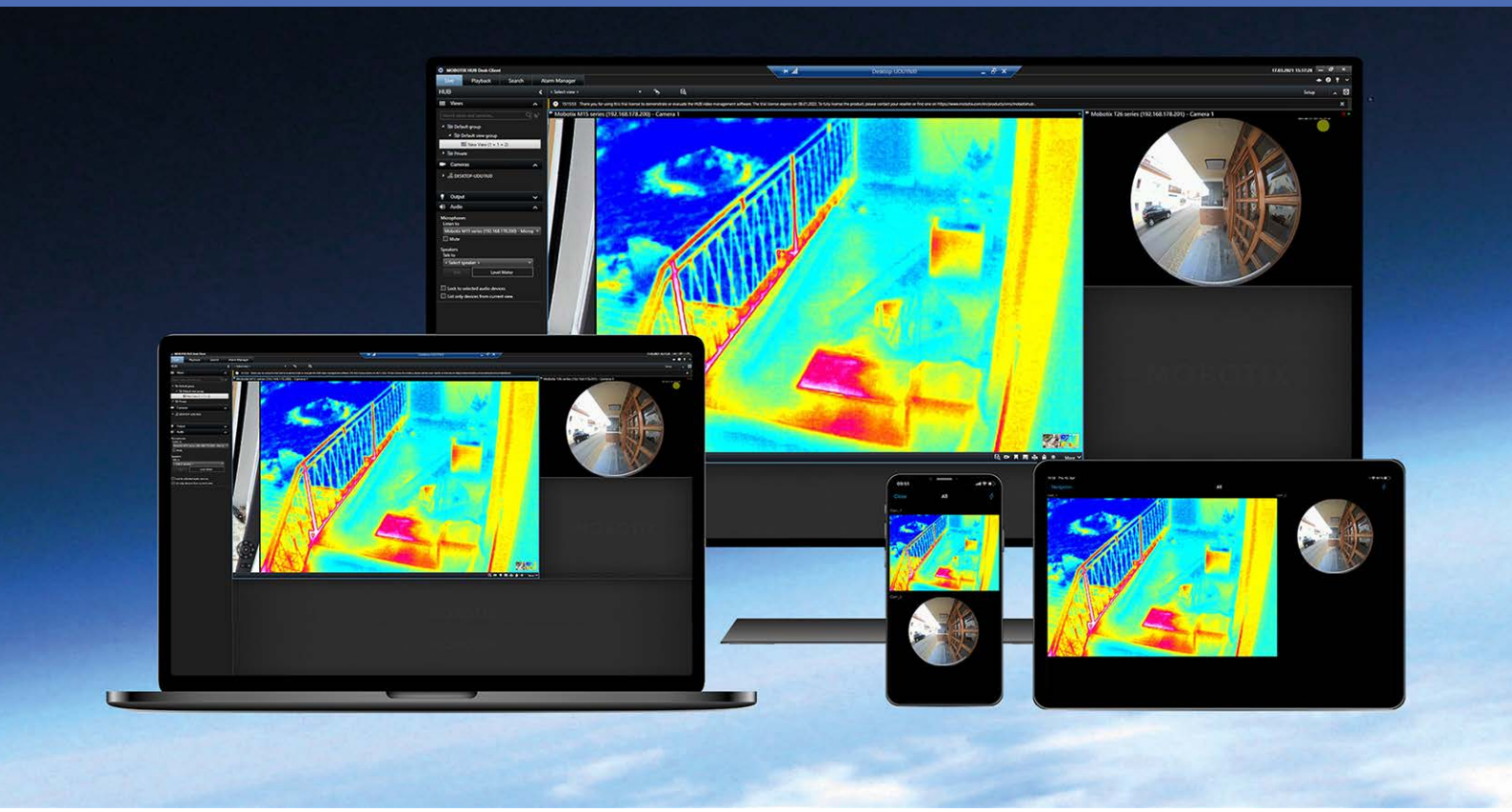
System Requirements

MOBOTIX HUB 2023 R3

© 2024 MOBOTIX AG



BeyondHumanVision

MOBOTIX

V1.00 _1/18/2024, Order Code:N/A

Table of Contents

Table of Contents 2
MOBOTIX HUB L5 3
MOBOTIX HUB L4 6
MOBOTIX HUB L3 9
MOBOTIX HUB L2 12
MOBOTIX HUB L1 15
MOBOTIX HUB Desk Client 17
MOBOTIX HUB Web Client 19
MOBOTIX HUB Mobile 20

MOBOTIX HUB L5

Computers running MOBOTIX HUB L5 software

Name	Description
Operating System	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 IoT Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 IoT Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro (64 bit)
	Microsoft® Windows® 11 Enterprise (64 bit)
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter

Computers running MOBOTIX HUB L5 software	
	To run clustering, you need a Microsoft® Windows® Server 2016 Standard or Datacenter edition, Microsoft® Windows® Server 2019 Standard or Datacenter edition or a Microsoft® Windows® Server 2022 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019
	Microsoft SQL Server® 2022
Software	Microsoft®.NET 4.7.2 Framework
	Microsoft®.NET 6 Runtime
	DirectX 11 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

Computers running MOBOTIX HUB L5 software

System Requirements for running 120 cameras (720P, @25 FPS, 2 Mbit/s)	
Name	**Description**
CPU	Intel® Core™ i3-6100 3.7 GHz
RAM	16 GB
Network	2 x 1 Gigabit Ethernet
Graphics Adapter	Intel® HD Graphics 530 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	256GB SSD for OS/VMS storage (Add additional storage depending on the number of days you want to save data)
System Requirements for running 700 cameras (720P, @25 FPS, 2 Mbit/s)	
Name	**Description**
Name	Description
CPU	Intel® Xeon® E3-1515M V5 2.8 GHz
RAM	32 GB
Network	10 Gigabit Ethernet
Hard Disk Space	2 x 256 GB SSD RAID 1 for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

MOBOTIX HUB L4

Computers running MOBOTIX HUB L4

Name	Description
Operating System	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 IoT Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 IoT Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro (64 bit)
	Microsoft® Windows® 11 Enterprise (64 bit)
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter

Computers running MOBOTIX HUB L4	
	To run clustering, you need a Microsoft® Windows® Server 2016 Standard or Datacenter edition, Microsoft® Windows® Server 2019 Standard or Datacenter edition or a Microsoft® Windows® Server 2022 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019
	Microsoft SQL Server® 2022
Software	Microsoft®.NET 4.7.2 Framework
	Microsoft®.NET Core 3.1.13 Framework
	DirectX 11 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

Computers running MOBOTIX HUB L4

System Requirements for running 120 cameras (720P, @25 FPS, 2 Mbit/s)

Name	Description
CPU	Intel® Core™ i3-6100 3.7 GHz
RAM	16 GB
Network	2 x 1 Gigabit Ethernet
Graphics Adapter	Intel® HD Graphics 530 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	256GB SSD for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

System Requirements for running 700 cameras (720P, @25 FPS, 2 Mbit/s)

Name	Description
CPU	Intel® Xeon® E3-1515M V5 2.8 GHz
RAM	32 GB
Network	10 Gigabit Ethernet
Graphics Adapter	Intel® Iris™ Pro Graphics P580 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	2 x 256 GB SSD RAID 1 for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

MOBOTIX HUB L3

Computers running MOBOTIX HUB L3

Name	Description
Operating System	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 IoT Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 IoT Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro (64 bit)
	Microsoft® Windows® 11 Enterprise (64 bit)
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter

Computers running MOBOTIX HUB L3	
	To run clustering, you need a Microsoft® Windows® Server 2016 Standard or Datacenter edition, Microsoft® Windows® Server 2019 Standard or Datacenter edition or a Microsoft® Windows® Server 2022 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019
	Microsoft SQL Server® 2022
Software	Microsoft®.NET 4.7.2 Framework
	Microsoft®.NET 6 Runtime
	DirectX 11 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

Computers running MOBOTIX HUB L3

System Requirements for running 120 cameras (720P, @25 FPS, 2 Mbit/s)

Name	Description
CPU	Intel® Core™ i3-6100 3.7 GHz
RAM	16 GB
Network	2 x 1 Gigabit Ethernet
Graphics Adapter	Intel® HD Graphics 530 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	256GB SSD for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

System Requirements for running 700 cameras (720P, @25 FPS, 2 Mbit/s)

Name	Description
CPU	Intel® Xeon® E3-1515M V5 2.8 GHz
RAM	32 GB
Network	10 Gigabit Ethernet
Graphics Adapter	Intel® Iris™ Pro Graphics P580 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	2 x 256 GB SSD RAID 1 for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

MOBOTIX HUB L2

Computers running MOBOTIX HUB L2

Name	Description
Operating System	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 IoT Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 IoT Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro (64 bit)
	Microsoft® Windows® 11 Enterprise (64 bit)
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter

Computers running MOBOTIX HUB L2	
	To run clustering, you need a Microsoft® Windows® Server 2016 Standard or Datacenter edition, Microsoft® Windows® Server 2019 Standard or Datacenter edition or a Microsoft® Windows® Server 2022 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019
	Microsoft SQL Server® 2022
Software	Microsoft®.NET 4.7.2 Framework
	Microsoft®.NET 6 Runtime
	DirectX 11 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

Computers running MOBOTIX HUB L2

System Requirements for running 32 cameras (720P, @25 FPS, 2 Mbit/s)

Name	Description
CPU	Intel® Core™ i3-6100 3.7 GHz
RAM	8 GB
Network	2 x 1 Gigabit Ethernet
Graphics Adapter	Intel® HD Graphics 530 (If Hardware Acceleration is required add graphics card fitting the requirements)
Hard Disk Space	128GB SSD for OS/VMS storage (Add additional storage depending on the number of days you want to save data)

MOBOTIX HUB L1

Computer running MOBOTIX HUB L1

Name	Description
Operating System	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 IoT Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 IoT Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro (64 bit)
	Microsoft® Windows® 11 Enterprise (64 bit)
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2014

Computer running MOBOTIX HUB L1	
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019
	Microsoft SQL Server® 2022
Software	Microsoft®.NET 4.7.2 Framework
	Microsoft®.NET 6 Runtime
	DirectX 11 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

MOBOTIX HUB Desk Client

Computer running MOBOTIX HUB Desk Client, Desk Client - Player and Video Wall

Name	Description
Operating system	Microsoft® Windows® 10 Pro
	Microsoft® Windows® 10 Enterprise
	Microsoft® Windows® 10 Enterprise LTSB (Long-Term Servicing Branch) 2016 (version 1607 or later)
	Microsoft® Windows® 10 Enterprise, version 1803 or later (64 bit), IoT Core
	Microsoft® Windows® 11 Pro
	Microsoft® Windows® 11 Enterprise
	Microsoft® Windows® Server 2016: Standard and Datacenter
	Microsoft® Windows® Server 2019: Standard and Datacenter
	Microsoft® Windows® Server 2022: Standard and Datacenter
Software	Microsoft®.Net 4.7.2 Framework
	DirectX 11.0 or newer
Hardware acceleration	Hardware acceleration with Intel® Quick Sync requires an Intel® CPU from 6th generation, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.

Computer running MOBOTIX HUB Desk Client, Desk Client - Player and Video Wall	
	Using Intel® Quick Sync on Intel® CPU 12th generation, requires at least driver version 31.0.101.3413 from Intel.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

MOBOTIX HUB Web Client

Computer running MOBOTIX HUB Web Client

Name	Description
Browser	Microsoft Edge Chromium latest version
	Google Chrome™ latest version
	Mozilla® Firefox® latest version
	Safari® latest version

MOBOTIX HUB Mobile

Device running MOBOTIX HUB Mobile	
Operating System	Android 10.0 or higher
	iOS 15.0 or higher
Network	3G/5G
	(4G or WiFi)*
*Required for using Direct Streaming	

MOBOTIX

BeyondHumanVision

EN_01/24
MOBOTIX AG • Kaiserstrasse • D-67722 Langmeil • Tel.: +49 6302 9816-103 • sales@mobotix.com • www.mobotix.com
MOBOTIX is a trademark of MOBOTIX AG registered in the European Union, the U.S.A., and in other countries. Subject to change without notice. MOBOTIX do not assume any liability for technical or editorial errors or omissions contained herein. All rights reserved. © MOBOTIX AG 2018