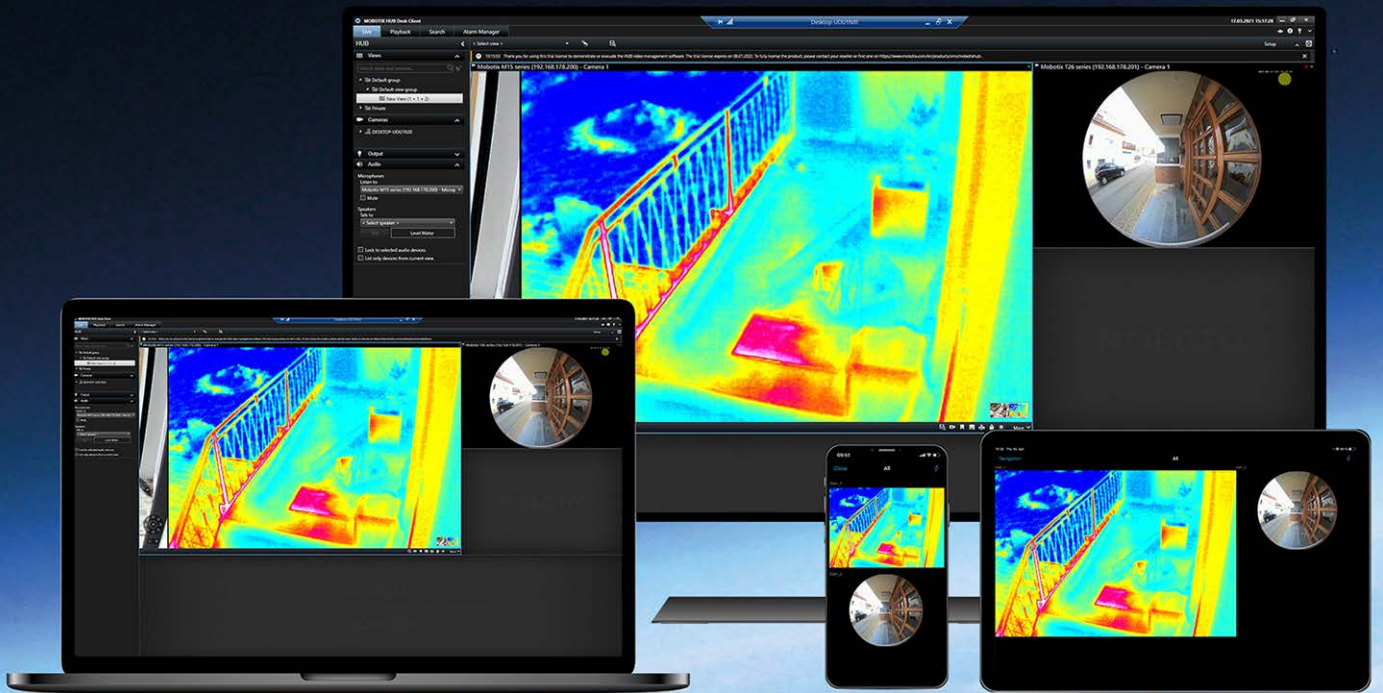


System Requirements

MOBOTIX HUB 2022 R3

© 2023 MOBOTIX AG



BeyondHumanVision

MOBOTIX

V1.00_1/31/2023, Order Code: N/A

Table of Contents

Table of Contents	2
MOBOTIX HUB L5	3
MOBOTIX HUB L4	5
MOBOTIX HUB L3	7
MOBOTIX HUB L2	9
MOBOTIX HUB L1	11
MOBOTIX HUB Desk Client	12
MOBOTIX HUB Web Client	13
MOBOTIX HUB Mobile	14

MOBOTIX HUB L5

Computers running

MOBOTIX HUB L5 software

Name	Description
Operating System	Microsoft® Windows® 8.1 Pro (64 bit)
	Microsoft® Windows® 8.1 Enterprise (64 bit)
	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	Microsoft® Windows® 10 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® Server 2012 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2012 R2 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	To run clustering/failover management servers, you need a Microsoft® Windows® Server 2012/2012 R2 Standard or Datacenter edition, Microsoft® Windows® Server 2016 Standard or Datacenter edition, or a Microsoft® Windows® Server 2019 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2012 SP1
	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019 (Only supported on Microsoft® Windows® 10 or greater and Microsoft® Windows® Server 2016 or greater)
Software	Microsoft® .NET 4.7.2 Framework
	Microsoft® .NET Core 3.1.13 Framework
	DirectX 11 or newer

Computers running MOBOTIX HUB L5 software

Hardware acceleration Hardware acceleration with Intel® Quick Sync requires an Intel® CPU 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.

Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

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® 8.1 Pro (64 bit)
	Microsoft® Windows® 8.1 Enterprise (64 bit)
	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	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® Server 2012 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2012 R2 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	To run clustering/failover management servers, you need a Microsoft® Windows® Server 2012/2012 R2 Standard or Datacenter edition, Microsoft® Windows® Server 2016 Standard or Datacenter edition, or a Microsoft® Windows® Server 2019 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2012 SP1
	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019 (Only supported on Microsoft® Windows® 10 or greater and Microsoft® Windows® Server 2016 or greater)
Software	Microsoft® .NET 4.7.2 Framework
	Microsoft® .NET Core 3.1.13 Framework
	DirectX 11 or newer

Computers running MOBOTIX HUB L4

Hardware acceleration Hardware acceleration with Intel® Quick Sync requires an Intel® CPU 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.

Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

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® 8.1 Pro (64 bit)
	Microsoft® Windows® 8.1 Enterprise (64 bit)
	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	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® Server 2012 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2012 R2 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	To run clustering/failover management servers, you need a Microsoft® Windows® Server 2012/2012 R2 Standard or Datacenter edition, Microsoft® Windows® Server 2016 Standard or Datacenter edition, or a Microsoft® Windows® Server 2019 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2012 SP1
	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019 (Only supported on Microsoft® Windows® 10 or greater and Microsoft® Windows® Server 2016 or greater)
Software	Microsoft® .NET 4.7.2 Framework
	Microsoft® .NET Core 3.1.13 Framework
	DirectX 11 or newer

Computers running MOBOTIX HUB L3

Hardware acceleration Hardware acceleration with Intel® Quick Sync requires an Intel® CPU 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.

Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

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® 8.1 Pro (64 bit)
	Microsoft® Windows® 8.1 Enterprise (64 bit)
	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	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® Server 2012 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2012 R2 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	To run clustering/failover management servers, you need a Microsoft® Windows® Server 2012/2012 R2 Standard or Datacenter edition, Microsoft® Windows® Server 2016 Standard or Datacenter edition, or a Microsoft® Windows® Server 2019 Standard or Datacenter edition
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2012 SP1
	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019 (Only supported on Microsoft® Windows® 10 or greater and Microsoft® Windows® Server 2016 or greater)
Software	Microsoft® .NET 4.7.2 Framework
	Microsoft® .NET Core 3.1.13 Framework
	DirectX 11 or newer

Computers running MOBOTIX HUB L2

Hardware acceleration Hardware acceleration with Intel® Quick Sync requires an Intel® CPU 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.

Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.

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® 8.1 Pro (64 bit)
	Microsoft® Windows® 8.1 Enterprise (64 bit)
	Microsoft® Windows® 10 Pro (64 bit)
	Microsoft® Windows® 10 Enterprise (64 bit)
	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® Server 2012 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2012 R2 (64 bit): Standard and Datacenter
	Microsoft® Windows® Server 2016 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
File system	For the Recording Storage Location, NTFS file system is recommended
SQL Versions	Microsoft SQL Server® 2012 SP1
	Microsoft SQL Server® 2014
	Microsoft SQL Server® 2016
	Microsoft SQL Server® 2017
	Microsoft SQL Server® 2019 (Only supported on Microsoft® Windows® 10 or greater and Microsoft® Windows® Server 2016 or greater)
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 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	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® 8.1 Pro
	Microsoft® Windows® 8.1 Enterprise
	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® Server 2012 R2: Standard and Datacenter
	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 4th generation or newer, supporting Intel Quick Sync and Intel® GPU enabled in BIOS.
	Decoding with NVIDIA graphics card is supported with GPU capability version 6.x (Pascal) or newer.
	Hardware acceleration with NVIDIA Graphics card requires 64-bit Microsoft® Windows® version.
Operating system	Microsoft® Windows® 8.1 Pro

MOBOTIX HUB Web Client

Computer running MOBOTIX HUB Web Client

Name	Description
Browser	Microsoft Edge Chromium 87
	Safari® 13.0.5
	Google Chrome™ 87
	Mozilla® Firefox® 83

MOBOTIX HUB Mobile

Device running MOBOTIX HUB Mobile

Name	Description
Operating System	Android 8.0 or higher
	iOS 12.0 or higher
Network	2G/3G
	(4G or WiFi)*

*Required for using Direct Streaming

MOBOTIX

BeyondHumanVision

[EN_01/23](#)

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