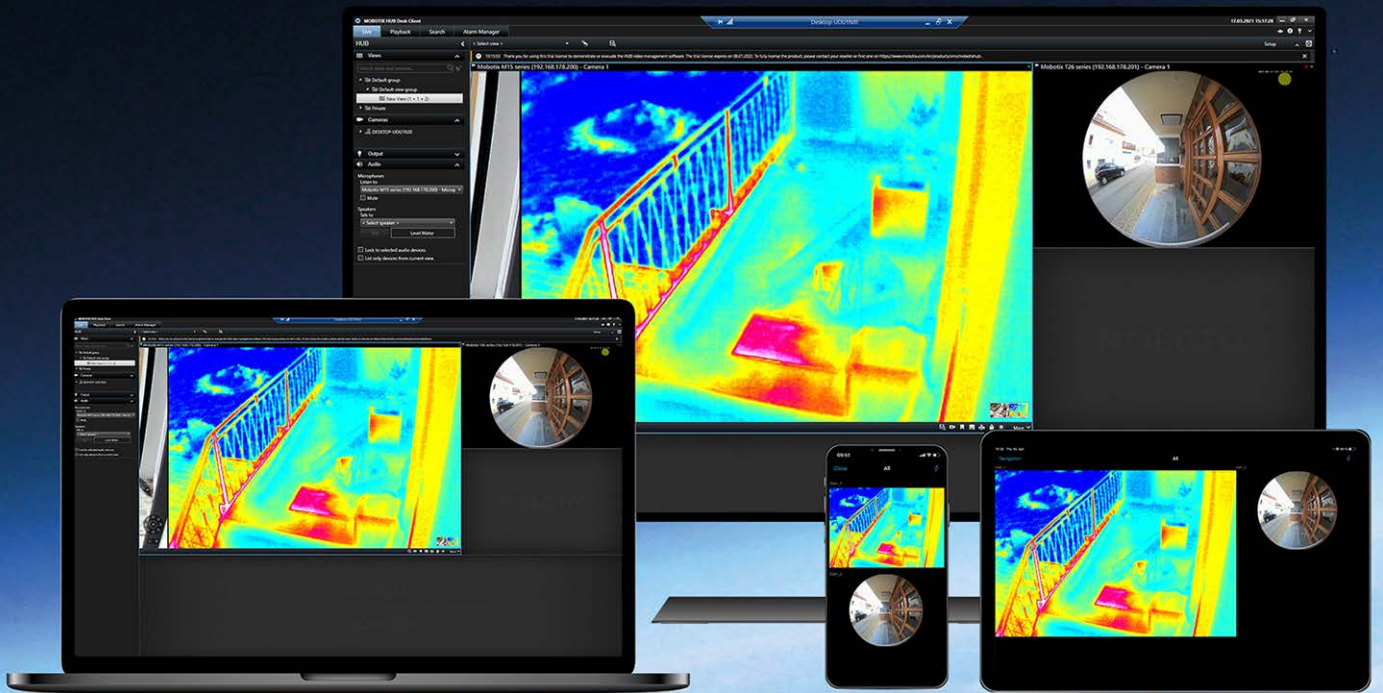


System Requirements

MOBOTIX HUB 2023 R3

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BeyondHumanVision

MOBOTIX

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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
File system	Microsoft® Windows® Server 2019 (64 bit): Essentials, Standard and Datacenter
	Microsoft® Windows® Server 2022 (64 bit): Essentials, Standard and Datacenter
	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
Software	Microsoft® Windows® Server 2016: Standard and Datacenter
	Microsoft® Windows® Server 2019: Standard and Datacenter
	Microsoft® Windows® Server 2022: Standard and Datacenter
Hardware acceleration	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
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	iOS 15.0 or higher
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Network	3G/5G
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	(4G or WiFi)*
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*Required for using Direct Streaming

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