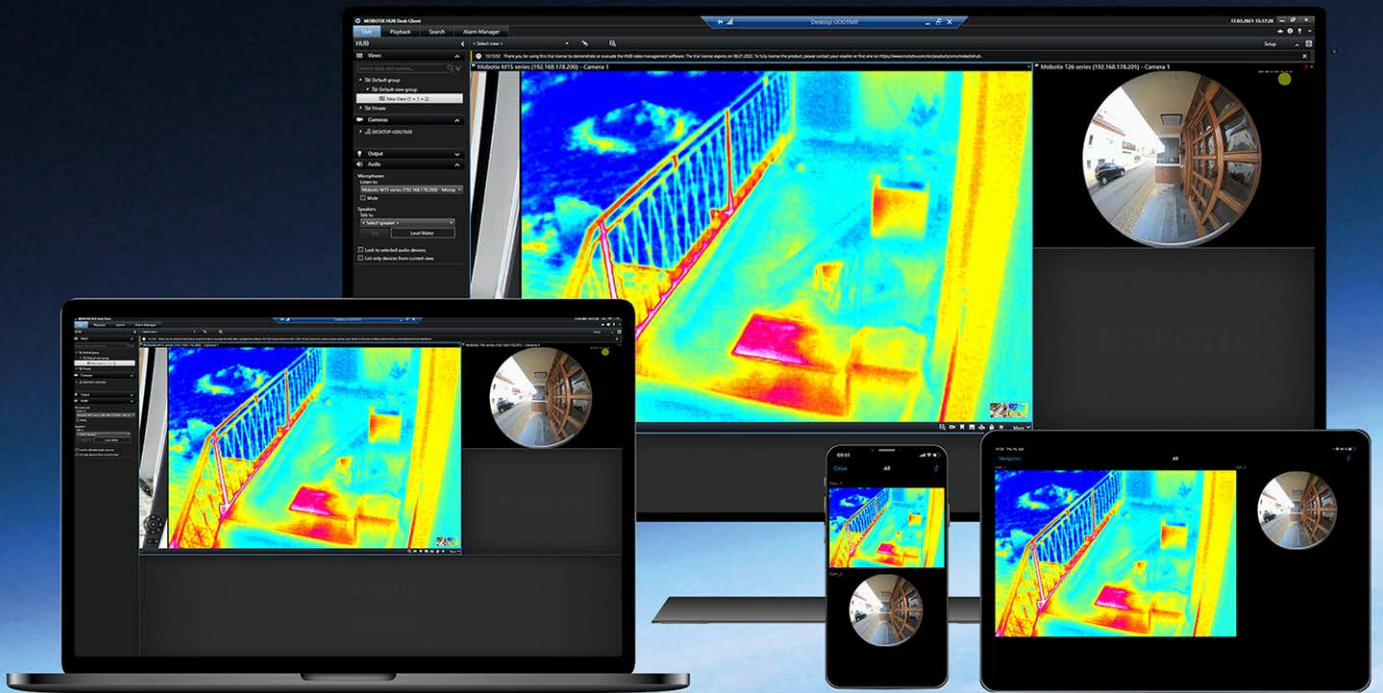


# System Requirements

## MOBOTIX HUB 2023 R1

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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 LTSC (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

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

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**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
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)**

<b>Name</b>	<b>Description</b>
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)**

<b>Name</b>	<b>Description</b>
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)

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# 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

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

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**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
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.
<b>System Requirements for running 32 cameras (720P, @25 FPS, 2 Mbit/s)</b>	

### Computers running MOBOTIX

#### HUB L2

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® 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 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.

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# 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
Software	Microsoft® Windows® Server 2019: Standard and Datacenter
	Microsoft® Windows® Server 2022: Standard and Datacenter
	Microsoft® .Net 4.7.2 Framework
Hardware acceleration	DirectX 11.0 or newer
	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 107 or later
	Google Chrome™ 108 or later
	Mozilla® Firefox® 107 or later
	Safari® 16.1 or later

# 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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# MOBOTIX

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[EN\\_04/23](#)

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