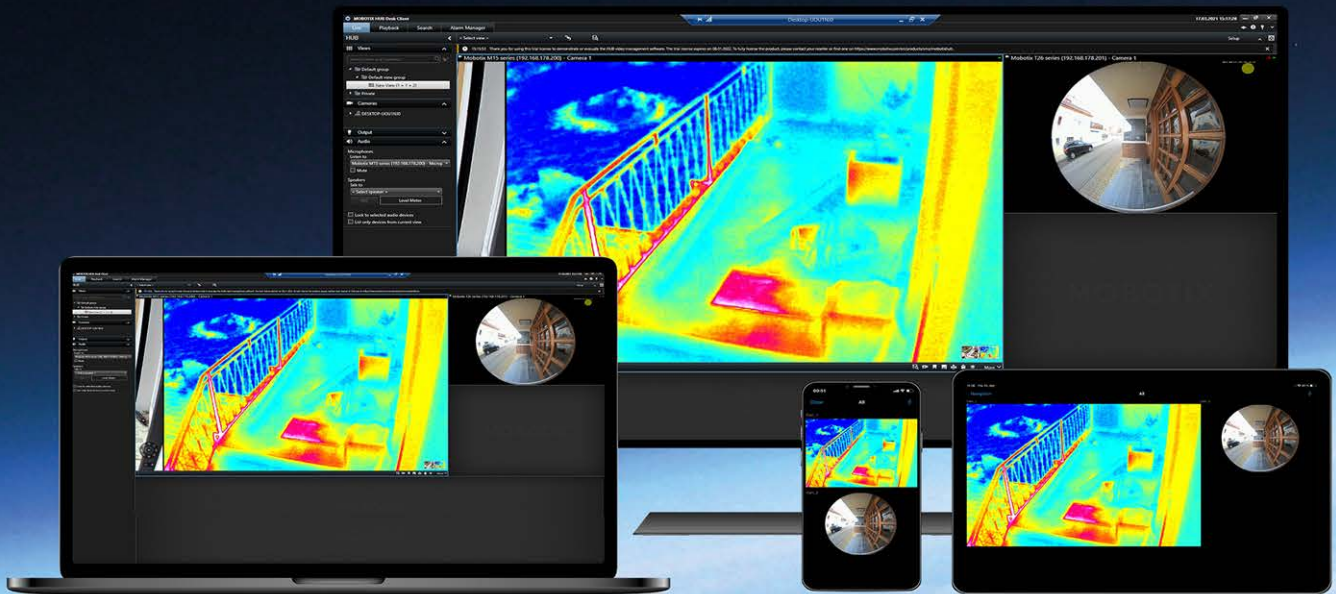


# System Requirements

MOBOTIX HUB

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BeyondHumanVision

**MOBOTIX**

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# MOBOTIX HUB L5

<b>Computers running MOBOTIX HUB L5 software</b>	
<b>Name</b>	<b>Description</b>
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 2.1.21 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
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 L4

<b>Computers running MOBOTIX HUB L4</b>	
<b>Name</b>	<b>Description</b>
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 2.1.21 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 cam-  
eras (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 cam-  
eras (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)

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# 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 2.1.21 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 cam-  
eras (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 cam-  
eras (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)

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# MOBOTIX HUB L2

<b>Computers running MOBOTIX HUB L2</b>	
<b>Name</b>	<b>Description</b>
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 LTSC (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 2.1.21 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 cam-  
eras (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)

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# MOBOTIX HUB L1

<b>Computer running MOBOTIX HUB L1</b>	
<b>Name</b>	<b>Description</b>
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 2.1.21 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 Desk Client

## Computer running MOBOTIX HUB Desk Client, Protect 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: Standard and Datacenter
	Microsoft® Windows® Server 2012 R2: Standard and Datacenter
	Microsoft® Windows® Server 2016: Standard and Datacenter
	Microsoft® Windows® Server 2019: 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.

# MOBOTIX HUB Web Client

Computer running MOBOTIX HUB Web Client	
Name	Description
Browser	Microsoft Edge 44
	Microsoft Edge Chromium 85
	Safari® 13.0.5
	Google Chrome™ 77
	Mozilla® Firefox® 69

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# MOBOTIX HUB Mobile

## Device running XProtect Mobile

Name	Description
Operating System	Android 7.0 or higher
	iOS 12.0 or higher
Network	2G/3G
	(4G or WiFi)*

\*Required for using Direct Streaming

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