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Access Management System (AMS) version 3.x and BVMS 10.0.1 Lite: requirements for joint installation

2021-03

This document describes the hardware and software prerequisites for a joint installation of an Access Management System 3.x and a BVMS 10.0.1 Lite system on the same computer.

Document history.

Version	Description
1	2021-03 initial version

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1 Introduction

This document describes the hardware and software requirements for a joint installation of an **Access Management System** 3.x and a **BVMS** 10.0.1 Lite system on the same computer. These requirements are for a mid-sized installation of up to 80 access readers and 42 cameras. They should be considered the minimum requirements for system of that size to be usable.

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2 Hardware and software specifications

2.1 Server

Minimum hardware requirements	o Intel i7 processor with at least 6 physical cores
	o 32 GB RAM
	o 500 GB of free hard disk space (SSD)
	o Graphics adapter :
	   ■ NVIDIA Quadro P620
	   ■ NVIDIA Quadro P2000
	   ■ NVIDIA Quadro P4000
	   ■ NVIDIA Quadro RTX4000
	   ■ NVIDIA Quadro P2200
	o Resolution:
	   ■ 1920 x 1080
	o 1 Gbit/s Ethernet card
	o A free USB port or network share for installation files

Video recording	For recordings use an external iSCSI device. Refer to BVMS 10.0.1 Lite datasheet for supported devices.

Supported Windows operating systems	• Windows Server 2016 (64 bit, Standard, Datacenter)
	• Windows 10, version 1809 (LTSC)
	   • Ensure that the latest software updates are installed.
	   • Note: The default database delivered with this system is SQL Server 2017
	   • Express edition with advanced services

2.2 Client

Minimum hardware requirements	• Intel i7 processor with at least 6 physical cores.
	• 16 GB minimum (32 recommended)
	• 250 GB of free hard disk space (SSD)
	   o Graphics adapter :
	     ■ NVIDIA Quadro P620
	     ■ NVIDIA Quadro P2000
	     ■ NVIDIA Quadro P4000
	     ■ NVIDIA Quadro RTX4000
	     ■ NVIDIA Quadro P2200

	o Resolution: ▪ 1920 x 1080 • with DirectX 11 or later • 1 Gbit/s Ethernet card • Free USB port for Dialog Reader or camera • Recommended: Wide screen monitor for Map application.
Supported Windows operating systems	Windows 10, Version 1809 LTSC

2.3 Network

To carry the loads listed in the tables below, a 1 Gigabit/s network is a minimum requirement between the Client and Server.

3 System Limits

(based on the hardware and software specifications above)

3.1 BVMS 10.0.1 limits

Maximum number of workstations	5
Maximum number of cameras	42
Maximum number of intrusion panels in the BVMS	5
Maximum number of DVRs	10
Maximum number of VRMs	2
Maximum number of sustained events (event log) / sec	500
Maximum number of sustained events (without event log) / sec	2500
Maximum peak event load / sec (within 60 minutes)	5000
Maximum number of events / sec from ONVIF cameras	500
Event log size	4GB

For other technical specifications, licenses, recommended cameras, storage devices and other supported hardware, refer to the BVMS 10.0.1 Lite datasheet.

Management Server, Video Streaming Gateway, Video Recording Manager and Mobile Video Service
It is recommended that you run the Video Recording Manager and the BVMS Management Server on the same computer.

3.2 AMS 3.x limits

Maximum number AMCs	20
Maximum number of card readers	80
Maximum number of MACs	1

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4 Product details

For more details consult the Bosch Security System product catalogue.

https://www.boschsecurity.com/xc/en/product-catalog/