Site Preparation Guide

All hardware and software must meet the minimum requirements listed in the tables below.
For additional information, contact GlobalVision Support by email at support@globalvision.co or by telephone at 1-888-984-2388.

1. Minimum Hardware Requirements

PRODUCT	PROCESSOR	MEMORY	HARD DRIVE SPACE	NETWORK PORTS
GLOBAL VISION DESKTOP	**PC 64-bit** Intel **2.0** GHz i5/recommended i7 *(specific for Print Inspection)*	**Digital 16 GB** RAM **Print Inspection 32 GB** RAM	**30 GB**[1]	**Digital** 1 **Print Inspection** 2 - PC & Scanner
DATABASE SERVER[2]	**64-bit** Intel **2.0** GHz i7	**16 GB** RAM	**30 GB**(*OS*) (Database Space 100 GB[3])	N/A

[1] This space is applicable for software only, application data is not included.

[2] Database server is to be separately installed(not shared with a desktop installation, especially in a multi-user environment)

[3] Note that this space will increase over time due to software usage, and centralized login management.

> **Note:** Requires active internet connection with access to **Port 443** for Version 5.8 and higher.

There are two methods of authentication:

1. **LDAP/LDAPs:** Username, password, and password settings are maintained by Windows Server OS (active directory).
2. **Local:** Username, password, and password settings are maintained by the Application.

2. Software Requirements

PRODUCT	OPERATING SYSTEM	DATABASE	RESOLUTION
GLOBALVISION DESKTOP	**PC** Windows 10 (64-bit) Windows Server 2019 Standard Edition[1]	N/A	1920 * 1080 recommended min (PC)
DATABASE SERVER	Windows 10 (64-bit) Windows Server 2019 Standard Edition	PostgreSQL v11.13	N/A

[1] Only applicable for multi-user sessions.

> **Note:** Windows 11 or Server 2022 are not supported or validated for GVD 5.10 or below. Any installation on these operating systems will not be validated or supported.

2.1. Network Ports

2.1.1. Online Licensing

Note that,

- Licensing communicates with https://data.globalvisioninc.com using **port 443**
- GVD uses Postgres to store all settings and audit logging, this uses TCP **port 5432** as the default Postgres port.

> **Note:** This port should **NOT** be exposed outside a firewall.

- In the case of SSO connection with GVD, the ability to query the domain controller.

2.1.2. Offline Licensing

Note that,

- GVD uses Postgres to store all settings and the audit logging, this uses TCP **port 5432** as the default Postgres port.

> ⚠️ **Note:** This port should **NOT** be exposed outside a firewall.

GlobalVision Software will install the following Windows Services:

- PostgreSQL-x64-11 - PostgreSQL Server 11 (Postgres Database Server).

> ❌ **Note:** Customers would need to relicense the application for Offline Licensing, in case the workstation changes. Customers would also need to relicense the application while running on a server environment(RDP), in case a backup is recovered.

---

3. Deployment Options

The Application may be deployed using a client-server configuration (Network) or a standalone workstation application. There are three general components:

1. Login Management Server (PostgreSQL database) – to store the user database.
2. Network License – to control application access (Server Tools).
3. GlobalVision – the Application.

3.1. Workstation Schema

For GlobalVision installed entirely on a standalone workstation(s).

Workstation	
Supported OS	Windows 10, 64 bit
Minimum Requirements	• Processor: 2 GHz dual-core • Memory: 16 GB RAM (32 GB recommended for Print Inspection)
Maximum number of users	One per workstation
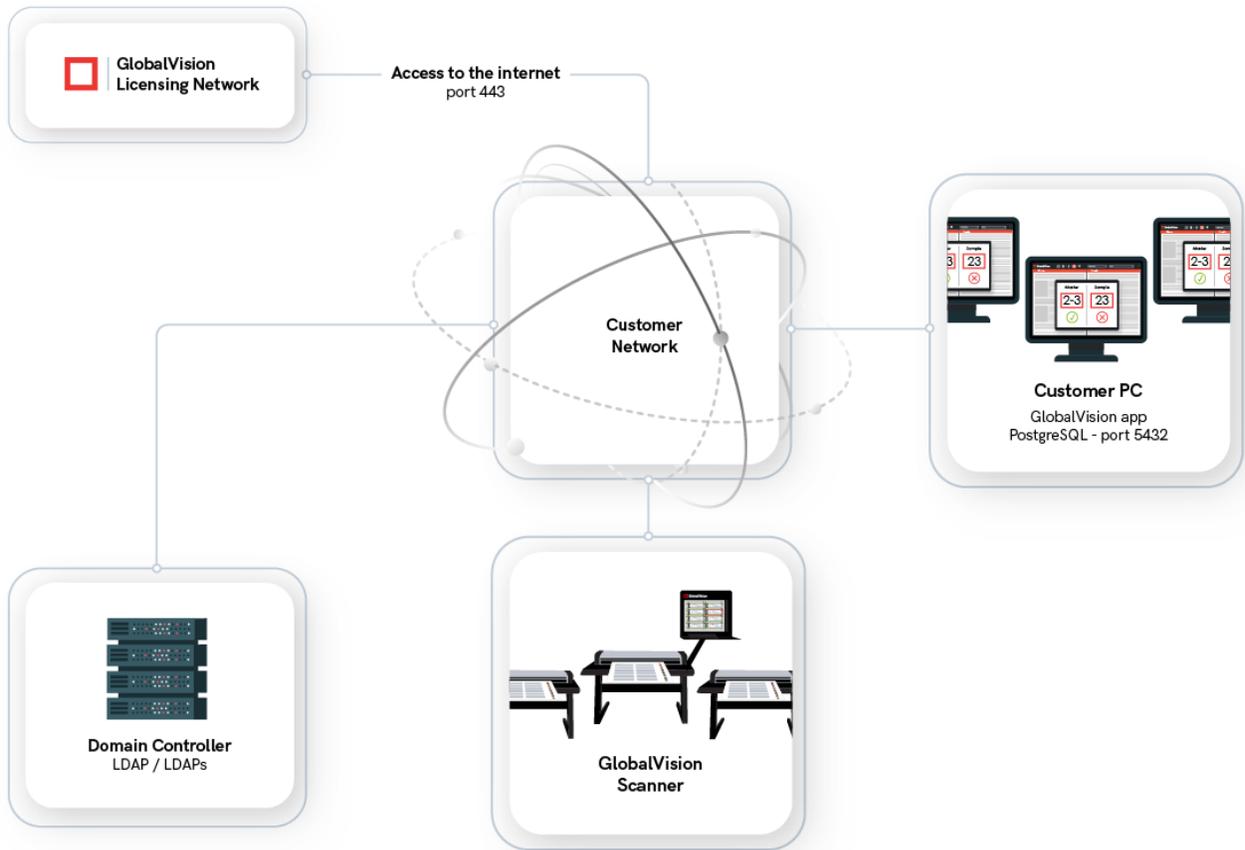
Note: Customer-hosted license server is available for GVD 5.7.1 and below or GVD 5.9 (offline licensing)


3.2. Server-Workstation Schema

For GlobalVision application installed on a workstation(s) - Database and License server[*] installed on a separate server.

Workstation: *Same as section 3.1 Workstation schema.*

Server Specifications	
Supported OS	Windows Server 2019
Minimum Requirements	• CPU: 2[*] Quad-core (minimum) • Memory: 8 GB RAM/User

[*]Applicable for GVD 5.7.1 and earlier or offline licensing (GVD 5.9+). Otherwise, GlobalVision hosts the License server.
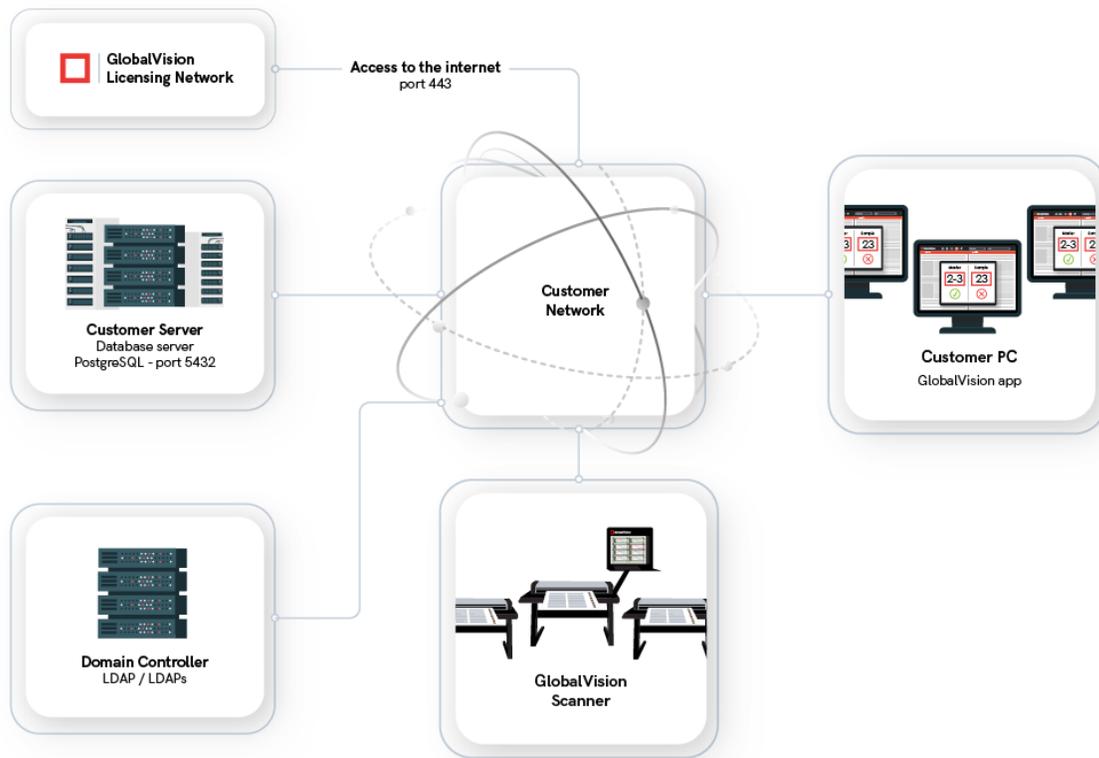
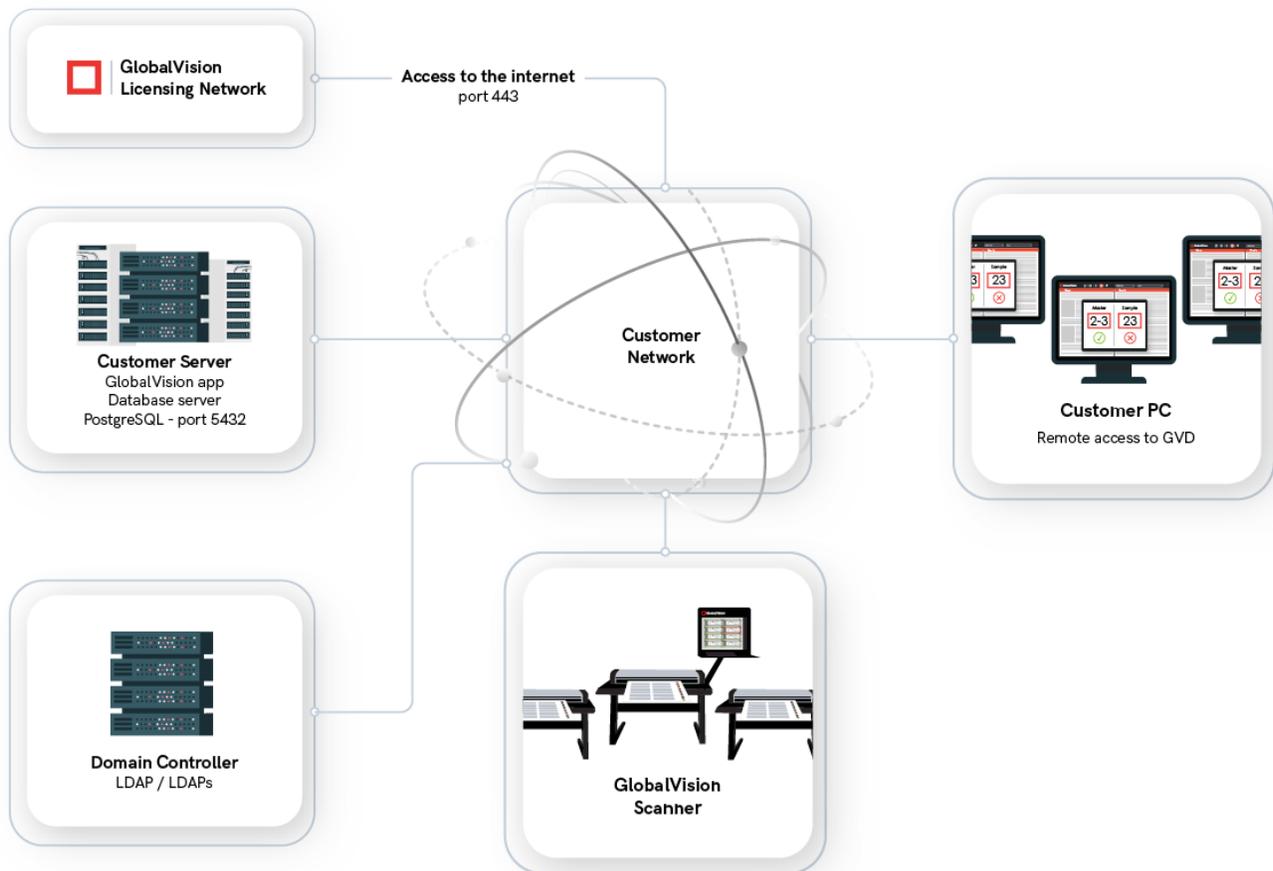**Note:** Customer-hosted license server is available for GVD 5.7.1 and below or GVD 5.9 (offline licensing)

□ GlobalVision

3.3. Server/Remote access Schema

For GlobalVision application, Database, and License server installed on a remote server.

Server Specifications	
Supported OS	• Windows Server 2019 • Windows 10, 64-bit
Minimum Requirements	• Processor: 2 GHz dual-core • Memory: 16 GB RAM (32 GB recommended for Print Inspection)[**]

[**]Additional 8GB RAM required per user

GlobalVision Licensing Network — Access to the internet, port 443

Customer Server
GlobalVision app
Database server
PostgreSQL - port 5432

Customer Network

Customer PC
Remote access to GVD

Domain Controller
LDAP / LDAPs

GlobalVision Scanner

Note: Customer-hosted license server is available for GVD 5.7.1 and below or GVD 5.9 (offline licensing)

GlobalVision

> **Note:** Customer-hosted license server is available for GVD 5.9(offline licensing) or GVD 5.7.1 and below.

4. Firmware and Software Versions

Note: Ensure that the following firmware and software versions are installed on the Contex IQ Flex scanner for Braille(Frontside, Backside), Color, Graphics, Barcode modules, and Epson V600 for Braille (Backside), Graphics, Barcode modules respectively.

- Nextimage - Version 5.4 -91126
- WIDEsystem - Version 5.5.8-build-90671
- Epson V600 - Version 3.9.3.1 US