



Password Requirements for GV-Software and GV-Mobile Apps

Article ID: GV1-25-10-31-T

Release Date: Oct. 31, 2025

Revision Date: Jun. 3, 2026

Applied to

GV-Software:

- GV-ASManager
- GV-Cloud Access Control
- GV-VMS V20 / V18 / V17
- GV-Recording Server
- GV-Edge Recording Manager (Windows Version)
- GV-Edge Recording Manager (Mac Version)
- GV-Enterprise
- GV-Control Center
- GV-Center V2
- GV-Dispatch Server
- GV-Vital Sign Monitor
- GV-AI Inference Server
- GV-Video Gateway
- GV-Mobile Server
- GV-Cloud VMS
- GV-VPN
- GV-Backup Center

- GV-Redundant Server
- GV-Failover Server
- GV-AI Guard
- GV-AI Server
- GV-AI FR
- GV-Web Report

GV-Mobile Apps:

- GV-Cloud
- GV-AI Assistant
- GV-Live Streaming
- GV-Welcome for Android
- GV-IoT
- GV-Face
- GV-Eye
- GV-Access
- GV-Mobile Access
- GV-Notify
- GV-Mobile VPN

Contents

Applied to	1
1. Introduction	2
2. Password Requirements	3
Access Control	3
VMS	3
Recording Server.....	3
Edge Recording Manager.....	4
Large Scale Monitoring.....	4
Integration	6
Backup Management.....	6
Video Analytics	7
Mobile App	8



1. Introduction

For security purposes, when creating a new password for your GV-Software or GV-Mobile App, the password must meet specific requirements, including the **password length** and the **character category requirements** it must follow.

The 4 supported character categories for names / IDs and passwords are as follows:

1. Uppercase letters (A-Z)
2. Lowercase letters (a-z)
3. Digits (0-9)
4. The following non-alphanumeric characters (characters that are not letters or digits):
`~!@#\$%^&*()-_+=[]\{|;':",./<>?

Note: Support for individual non-alphanumeric characters varies by GV-Software or GV-Mobile Apps.

An example of the password character category requirements is as follows:

- “≥ 3 categories” indicates that the password must include characters from at least three of the four categories listed above.

Password requirements, including rules for non-alphanumeric characters, length, and character categories, vary by GV-Software or GV-Mobile Apps. For the complete list, refer to the table in the next section.

The non-alphanumeric character rules for names / IDs are also listed in the table for reference.



2. Password Requirements

Access Control

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-ASManager V6.2.0 	No limitation		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-Cloud Access Control V1.4.0 	No limitation	<p><u>Not supported:</u> `~@#\$\$%&* ()_ \ { } ; : " . / < > ?</p> <p><u>Allowed:</u> ! ^ - = + [] ,</p>	≥ 8 characters	≥ 3 categories

VMS

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-VMS V20.0.1 / V18.3.5 / V17.4.8 	No limitation		≥ 8 characters	≥ 3 categories

Recording Server

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Recording Server V2.1.1 	<p>Account:</p> <p><u>Not supported:</u> `~!@#\$\$%^&* () - = + [] \ { } ; : " . , / < > ?</p> <p><u>Allowed:</u> _</p>	No limitation	≥ 8 characters	≥ 3 categories
	<p>Host Name / Camera Name / Camera Account:</p> <p>No limitation</p>			



Edge Recording Manager

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Edge Recording Manager (Windows Version) V2.3.1 	<p><u>Not supported:</u> "</p> <p><u>Allowed:</u> `~!@#\$\$%^&*()-_=+[]\{ ;':,./<>?</p>	No limitation	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-Edge Recording Manager (Mac Version) V1.3.1 	No limitation		No requirements	

Large Scale Monitoring

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Enterprise V1.2.0 	<p>User Account: No limitation</p>		<p>User Account: ≥ 8 characters</p>	<p>User Account: ≥ 3 categories</p>
	<p>Certificate Name: <u>Not supported:</u> `%^&\ ;";,<> <u>Allowed:</u> ~!@#\$\$%^&*()-_=+[]\{ ;':,./?</p>	<p>SQL Server Account: <u>Not supported:</u> `%^&\ ;";<> <u>Allowed:</u> ~!@#\$\$%^&*()-_=+[]\{ ;':,./?</p>	<p>SQL Server Account: No limitation</p>	
<ul style="list-style-type: none"> GV-Control Center V4.2.1 	<p><u>Not supported:</u> "</p> <p><u>Allowed:</u> `~!@#\$\$%^&*()-_=+[]\{ ;':,./<>?</p>	No limitation	≥ 8 characters	≥ 3 categories



Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Center V2 V18.4.1 	<p><u>Not supported:</u></p> <p>!#\$%&*\\ ;':"/<>?</p> <p><u>Allowed:</u></p> <p>`~@^()-_=[{}],</p>	No limitation	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-Dispatch Server V18.2.0A 			No requirements	
<ul style="list-style-type: none"> GV-Vital Sign Monitor V18.4.1 	<p><u>Allowed:</u></p> <p>`~@^()-_=[{}],</p>		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-AI Inference Server V1.0.0 	<p><u>Not supported:</u></p> <p>`~!@#\$%^&*()_-=[{}] ;':"/<>?`</p> <p><u>Allowed:</u></p> <p>None</p>	<p><u>Not supported:</u></p> <p>`~@#\$%&*()\\ ;':"/<>?`</p> <p><u>Allowed:</u></p> <p>!^_-=[{}],</p>	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-Video Gateway V2.1.1 	<p>Account:</p> <p><u>Not supported:</u></p> <p>`~!@#\$%^&*()_-=[{}] ;':"/<>?`</p> <p><u>Allowed:</u></p> <p>—</p>	No limitation	≥ 8 characters	≥ 3 categories
	<p>Host Name / Camera Name / Camera Account:</p> <p>No limitation</p>			
<ul style="list-style-type: none"> GV-Mobile Server V1.5.1A 	<p>Host Name:</p> <p><u>Not supported:</u></p> <p>,</p> <p><u>Allowed:</u></p> <p>`~!@#\$%^&*()_-=[{}] ;':"/<>?`</p>	No limitation	No requirements	



Integration

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Cloud VMS V1.5.0 	No limitation	<p><u>Not supported:</u> `~@#%&*()_ \ { } ; ' : " . / < > ?</p> <p><u>Allowed:</u> ! ^ - = + [] ,</p>	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-VPN V4.2.1 	<p>Host Name & ID:</p> <p><u>Not supported:</u> `~!@#%\$%^&* () _ = + [] \ { } ; ' : " , . / < > ?</p> <p><u>Allowed:</u> -</p>	No limitation	No requirements	

Backup Management

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-Backup Center V1.2.1A 		<p><u>Not supported:</u> `~!@#%\$%^&* () - _ = + [] \ { } ; ' : " , . / < > ?</p> <p><u>Allowed:</u> None</p>	No requirements	
<ul style="list-style-type: none"> GV-Redundant Server V1.2.0A GV-Failover Server V1.2.0A 		<p><u>Not supported:</u> `~!@#%\$%^&* () - = + [] \ { } ; ' : " , . / < > ?</p> <p><u>Allowed:</u> -</p>	No requirements	



Video Analytics

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> GV-AI Guard V2.1.0 	No limitation		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-AI Server V1.1.4 GV-AI FR V1.2.1 	<p><u>Not supported:</u> :</p> <p><u>Allowed:</u> `~!@#\$\$%^&*()-_=+[]\{ ;'"',./<>?</p>	<p><u>Not supported:</u> "</p> <p><u>Allowed:</u> `~!@#\$\$%^&*()-_=+[]\{ ;'"',./<>?</p>	No requirements	
<ul style="list-style-type: none"> GV-Web Report V3.1.0 	<p><u>Not supported:</u> `~!@#\$\$%^&*()-_\{ ;'"',./<>?</p> <p><u>Allowed:</u> !^-=+[,</p>		No requirements	



Mobile App

Model	Non-Alphanumeric Character Rules		Password Length	Password Character Categories
	Name / ID	Password		
<ul style="list-style-type: none"> • GV-Cloud V1.4.0 • GV-AI Assistant V1.0.0 • GV-Live Streaming V1.0.2 • GV-Welcome for Android V1.0.0 • GV-IoT V1.0.2 • GV-Face V2.2.1 • GV-Eye V3.5.0 • GV-Access V1.5.1 • GV-Mobile Access V1.2.0 • GV-Notify – iOS V1.3.4 / Android V1.3.3 	No limitation		No requirements	
<ul style="list-style-type: none"> • GV-Mobile VPN V1.0.0 	Host Name & ID: <u>Not supported:</u> `~!@#\$\$%^&*())_=[\]\{ ;':",. /<>? <u>Allowed:</u> -	No limitation	No requirements	