



Password Requirements for GV-IP Devices

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Applied to

- GV-IP Cameras
- GV-3D People Counters
- GV-PoE Switches
- GV-IP Speakers
- GV-Cloud Bridge Series
- GV-Decoder Box Series
- GV-LPR Cameras
- GV-Controllers
- GV-Readers
- GV/UA-SNVRs
- GV/UA-HD DVRs

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1. Introduction

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

The 4 supported character categories for usernames 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-IP Device model.

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 supported non-alphanumeric characters, length, and character categories, vary by GV-IP Device model. For the complete list, refer to the table in the next section.

The supported non-alphanumeric characters for usernames are also listed in the table for reference.



2. Password Requirements by GV-IP Device Model

GV-IP Cameras

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-BL2702 Series / 3700 / 4702 / 4713 / 5700 / 5713 GV-BX2600-FD / 2700 Series / 2700-FD / 4700 Series / 4700-E / 4700-FD / 5700 Series / 8700 / 8700-FD GV-EBL4702 Series / 4711 GV-EDR4700 Series GV-EFD4700 Series GV-EFER3700 / 3700-W GV-FER5700 / 5701 / 12700 GV-MFD2700 Series / 4700 Series GV-VD2702 / 2712 / 3700 / 4702 / 4711 / 4712 / 5700 / 5711 GV-MD8710 / 8710-FD 	!^_-=+[]{}>,		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-ABL / ADR / AVD / EBD / TBL / TDR / TFD / TVD Series (excluding GV-EBD4704 / 48xx / 88xx, GV-TBL4705 / 48xx / 88xx, GV-TDR4704 / 48xx / 88xx, GV-TFD48xx, GV-TVD48xx, 88xx) GV-PTZ5810-IR GV-SD4825-IR / 4834-IR 	-_.+	!^_-=+[]{},	≥ 8 characters	≥ 3 categories



Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<p>FW V1.01 or later:</p> <ul style="list-style-type: none"> GV-EBDP8800 GV-TBLP8800 <p>FW V1.11 or later:</p> <ul style="list-style-type: none"> GV-BLFC5800 GV-EBD4704 / 4813 GV-EBFC5800 GV-TBL4705 / 4807 / 4810 GV-TDR4704 / 4803 GV-TFD4800 GV-TVD4810 / 4811 <p>FW V1.11 or later:</p> <ul style="list-style-type: none"> GV-EBD8800 / 8813 GV-EBDP5800 GV-FER5702 GV-TBL8804 / 8810 GV-TBLP5800 GV-TDR8805 GV-TVD8810 <p>FW V1.01 or later:</p> <ul style="list-style-type: none"> GV-TMS20811 <p>FW V1.02 or later:</p> <ul style="list-style-type: none"> GV-TMS8800 	<p>~!@#\$ %^&*()- _=[\]\} ;:'",./<> ?</p>	<p>~!@#\$ %^&*()- _=[\]\} ;:'",./<> ?</p>	<p>≥ 8 characters</p>	<p>≥ 3 categories</p>
<ul style="list-style-type: none"> GV-QFER12700 GV-QSD5730-Indoor GV-QSD5730-Outdoor GV-QSD5731-IR 	<p>~!@#\$% ^&-_'.</p>	<p>!^-_=[[] {},</p>	<p>No requirements</p>	



Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> • GV-BX2802 / 4802 • GV-TMEB5800 • GV-GBL4900 / 4911 / 12811 • GV-GBLF2802 / 4802 / 4813 • GV-GBLN4800 • GV-GBLP8900 • GV-GDR2801 / 4900 • GV-GDRF4800 • GV-GDRN4800 • GV-GEB4900 • GV-GEBF2802 / 4802 / 4813 / 4911 • GV-GEBN4800 • GV-GEBP8900 • GV-GFER6900 / 12800 • GV-GPTZ4810 • GV-GVD4810 / 4910 / 12810 	None	~!@#\$%^* ()-_=+[{}:,.?	≥ 8 characters	≥ 2 categories
<ul style="list-style-type: none"> • GV-GPH2800 	None	`~!@#\$^ *()-_=[]{}:,.?	8-16 characters	≥ 2 categories
<ul style="list-style-type: none"> • GV-PBL8800 • GV-PDR8800 • GV-PFER12800 	None	`~!@#\$ %^&*()- _=[[]\{} ;':"./<> ?	≥ 8 characters	Must contain digits (0–9) and letters (a–z or A–Z)
<ul style="list-style-type: none"> • GV-RBL5811 • GV-REB5800 • GV-RFER12700 	–	!^-_=[[] {} ,	≥ 8 characters	≥ 2 categories



GV-3D People Counters

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-3D People Counter V3 	None	`~!@#\$%^*()-_=[]\{} ;':",./<>?	8-16 characters	≥ 2 categories

GV-PoE Switches

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-POE0801 / 0811 / 1601-V2 / 1611 / 2411 / 0811-V2 / 1611-V2 / 2401-V2 / 2411-V2 	`~!@#\$\$%^&*()-_=[]\{} ;':",./<>?		No requirements	
<ul style="list-style-type: none"> GV-POE0812 	–	`~!@#\$%^&*()-_=[]\{} ;':",./<>?	No requirements	
<ul style="list-style-type: none"> GV-APOE0811 / 1611 / 2411 / 0811-V2 / 1611-V2 / 2411-V2 	`~!@#\$\$%^&*()-_=[]\{} ;':",./<>?		No requirements	
<ul style="list-style-type: none"> GV-APOE081C / 161C / 241C GV-APOE0812 / 1612 / 2412 / 4813 	–	!@#\$\$*()-=[]<>	≥ 5 characters	≥ 2 categories

GV-IP Speakers

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-IPSC10 / IPSC10-V2 GV-IPSH30 / IPSH30-V2 GV-IPSS40 / IPSS40-V2 	`~!@#\$\$%^&*()-_=[]\{} '"/.?		No requirements	



GV-Cloud Bridge Series

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-Cloud Bridge GV-Cloud Bridge Pro 	!^_-=+[]{}>,		≥ 8 characters	≥ 3 categories

GV-Decoder Box Series

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-Decoder Box Optimal GV-Decoder Box Mini 	`~!@#\$\$%^&*()-_+=+ []\{} ;':",./<>?		No requirements	

GV-LPR Cameras

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-LPR2812-DL 	None	~!@#\$\$%^&*()-_+= +[]\{};':" ,./<>	≥ 5 characters	Must contain digits (0–9) and letters (a–z or A–Z)

GV-Controllers

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-AS1620 GV-AS Bridge 	!^_-=+[]{}>,		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-IA1330 	-_+.	!^_-=+[] {},	≥ 8 characters	≥ 3 categories



GV-Readers

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-FR Panel V2 	!^_-=+[]{} ,		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-Mini FR 	None	`~!@#\$%^*()-_+=[]{} , . ?	≥ 8 characters	≥ 2 categories

GV/UA-SNVRs

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-GNVRC0810-P 	~!@#%&^&*()-_+=\ \{ } ; : " , / < > ?		8 to 16 characters	≥ 2 categories
<ul style="list-style-type: none"> GV-SNVR0412 / 0812 / 1612 	~!@#%&^&*()-_+=[]\ \ , / ?		≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-SNVR3203 / 6403 GV-TNVR1620-P 	-_+.	!^_-=+[] \{ } ,	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> GV-RNVR3240-N / 256G0-N UA-SNVR1620-P 	-	!^_-=+[] \{ } ,	≥ 8 characters	≥ 2 categories

GV/UA-HD DVRs

Model	Supported Non-Alphanumeric Characters		Password Length	Password Character Categories
	Username	Password		
<ul style="list-style-type: none"> GV-TXVL1610 	-_+.	!^_-=+[] \{ } ,	≥ 8 characters	≥ 3 categories
<ul style="list-style-type: none"> UA-XVL1611 	-	!^_-=+[] \{ } ,	≥ 8 characters	≥ 2 categories