

GC-IL Bullet Camera

Quick Start Guide

GC-IL-S510-X

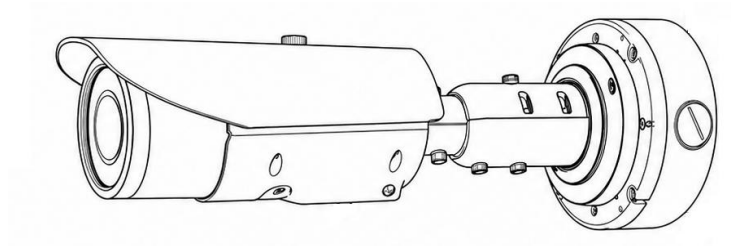
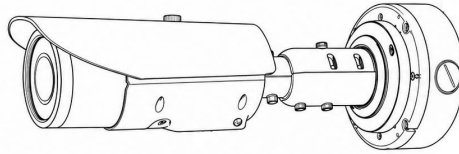


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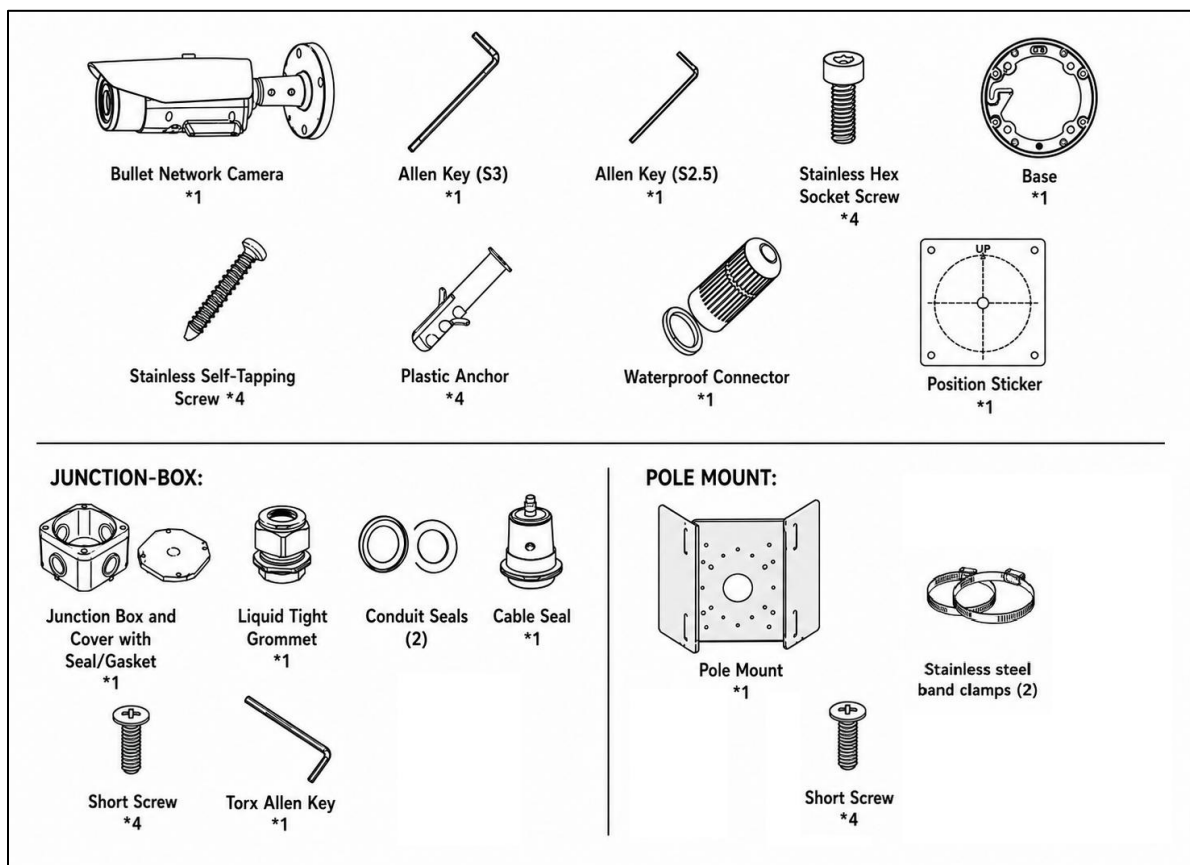
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Product Overview

This guide provides basic installation, mounting, power, and initial setup instructions for the GC-IL bullet camera.



What's in the Box

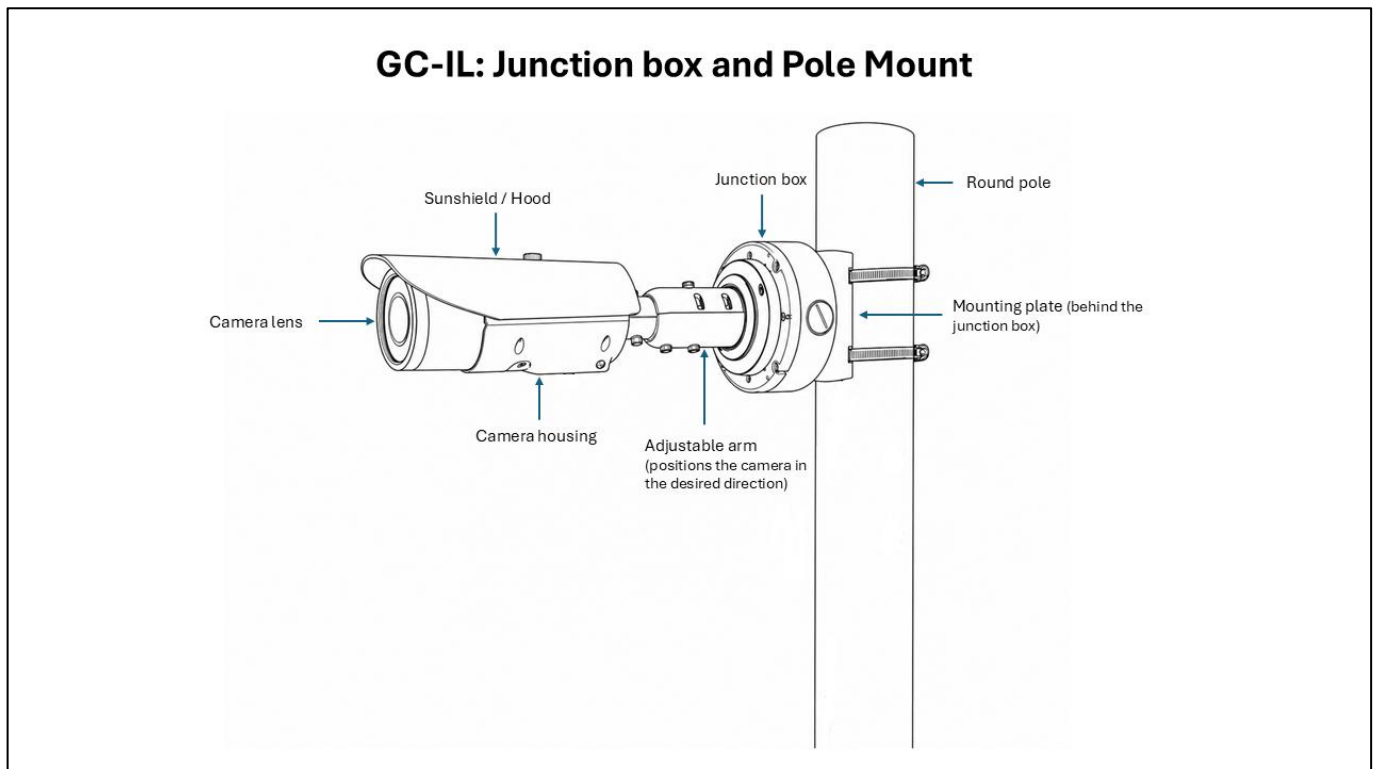


Installation

Mounting Preparation

- Select a stable mounting location
- Confirm a clear line of sight
- Verify the mounting surface or structure can support at least 4X the combined weight of the camera and mount
- For pole installations, use a pole with a 3.5–4.5" minimum outside diameter
- Ensure pole or structure is plumb and securely anchored
- Identify mounting type before starting
- Plan cable route before installation

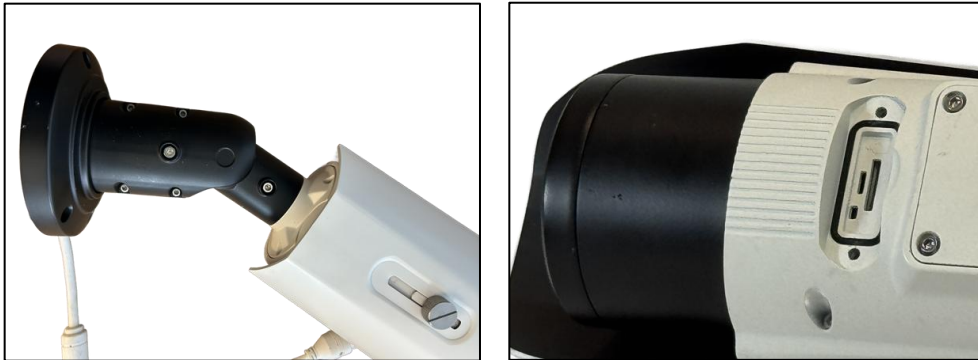
Mounting Option



Prepare Camera

- Attach bullet camera to adjustable arm
- Ensure drain opening (“mouse-hole”) on underside of mounting arm faces downward
- Tighten mounting hardware securely
- Adjust approximate viewing direction

- Install SD card into the slot



Connect Camera to Junction Box

- Ensure to use the base as an interface between the camera and the junction box
- Route camera cables into junction box
- Connect Ethernet cable
- Connect power leads if external power is used
- Cap and isolate unused power wires
- Tighten waterproof connectors fully

Note : The waterproof connector cover is compatible with standard crimped RJ45 connectors only. Cables with factory-overmolded strain-relief boots may need the overmolding trimmed or removed before installation. Alternatively, field-terminate the cable with a standard crimped RJ45 connector.



Attach Junction Box to Mounting Plate

- Position mounting plate with the TOP marking facing upward
- Align the junction box mounting holes with the F mounting pattern on the plate
- Secure junction box to mounting plate using the supplied hardware
- Verify all fasteners are fully tightened



Note 📖 : For this installation, use the F mounting pattern marked on the mounting plate.

Close Junction Box

- Verify gasket is properly seated
- Ensure cables are not pinched or obstructing closure
- Ensure internal cover protection is positioned correctly
- Close cover
- Tighten screws evenly

Add Pole Clamps and Secure to Pole

- Route band-clamps through mounting plate slots
- "Drip-loop" should be used to direct water away from the cable grommet



- Position assembly on pole
- Verify camera orientation and level
- Tighten band-clamps evenly and securely
- Confirm assembly is firmly mounted

Final System Check

- Verify all mounting hardware is secure
- Confirm field of view and camera alignment
- Verify waterproof fittings are sealed
- Ensure cables are secure and strain-free
- Power on camera and confirm video feed

Powering the Camera

Standard: 12VDC DIN rail power supply and PoE adapter/injector

Alternative: 1) 24VAC power supply, 2) 12VDC power supply alone

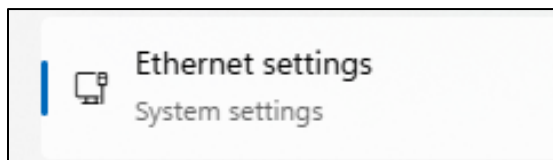
Initial Setup & Login

Login

1. Connect the camera directly to your laptop using an Ethernet cable
2. Configure the laptop Ethernet adapter with:

IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0



Edit IP settings

Some of these settings are managed by your organization.

Manual

IPv4

☒ On

IP address

192.168.1.100

Subnet mask

255.255.255.0

Gateway

192.168.1.1

Preferred DNS

DNS over HTTPS

Off

Alternate DNS

Save Cancel

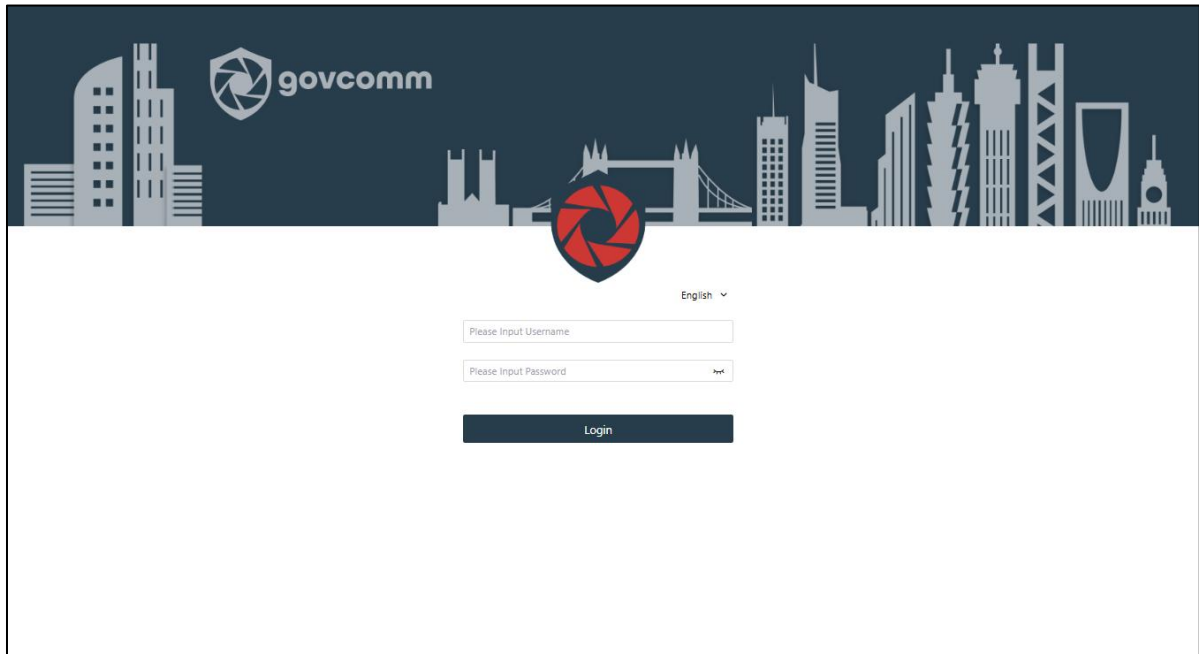
2. Open a web browser
3. Enter the camera IP into the address bar:

IP Address: 192.168.1.64

4. Log in using the following credentials:

User ID: admin

Password: GovComm1

The screenshot shows the govcomm login interface. At the top, there is a dark blue header with a city skyline silhouette and the govcomm logo. Below the header, the main content area is white. It features a language dropdown menu set to 'English'. There are two input fields: 'Please Input Username' and 'Please Input Password'. Below these fields is a dark blue 'Login' button.

Change Password

1. Click your **username** in the upper right corner and select **Change Password**.
2. Or go to **Settings > System > Change Password** and follow the prompts.

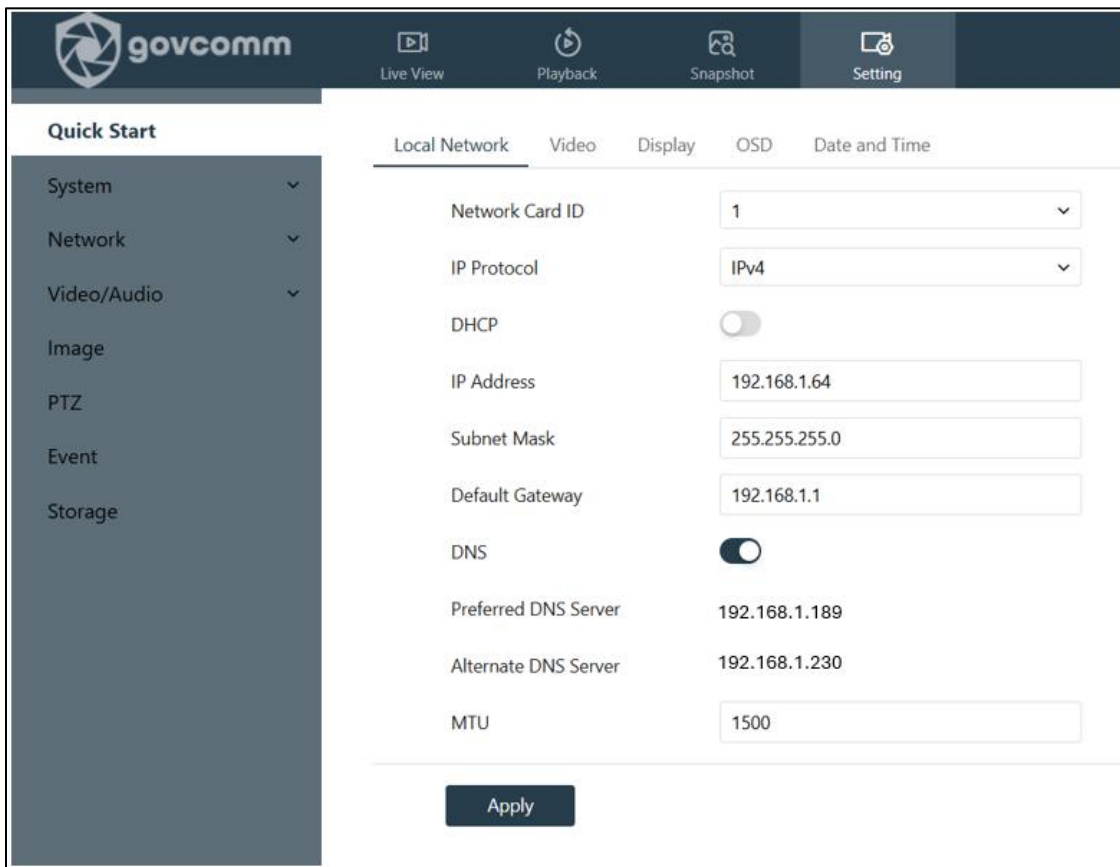
Note 📖 : After changing the password, wait approximately 3 minutes before powering off, or re-login to ensure the change is saved.

Quick Configuration

Network Setup

Setting > Quick Start > Local Network

- Configure:
 - DHCP or static IP
 - Subnet mask / gateway
 - DNS
- Apply and reconnect to new IP



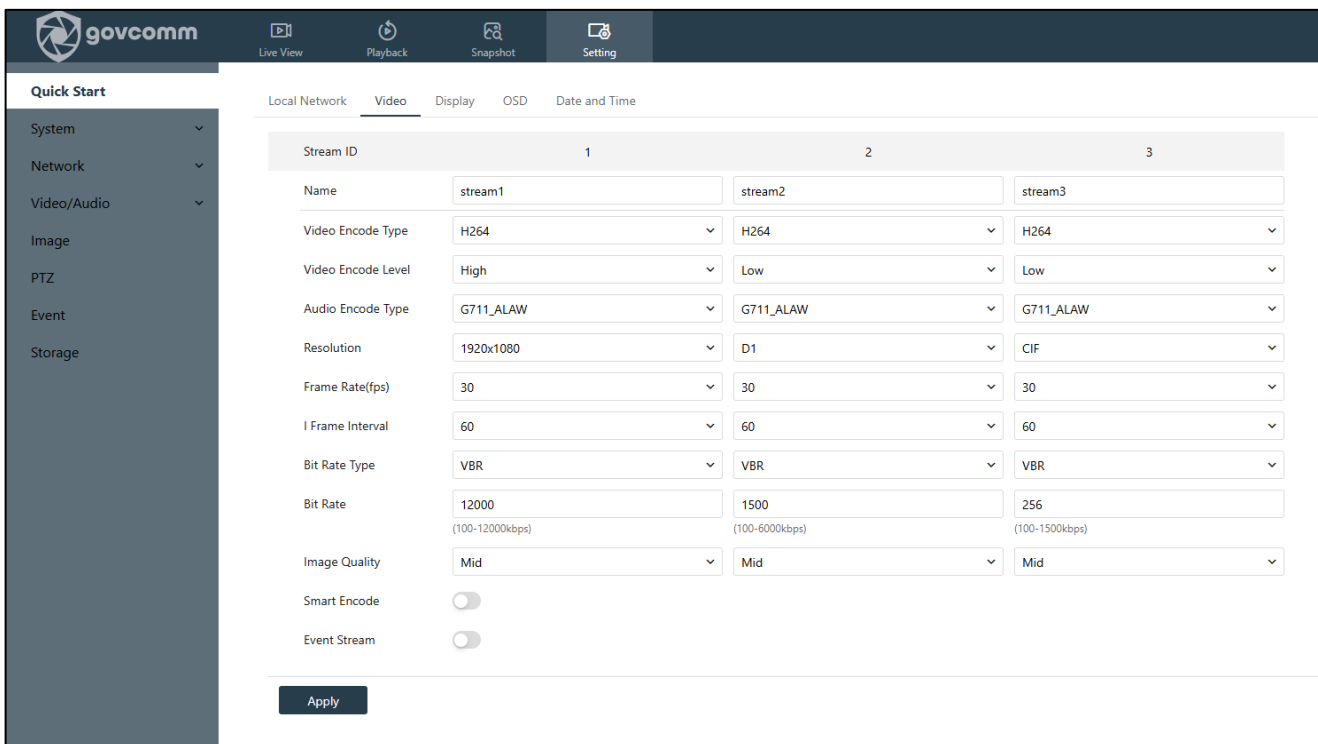
The screenshot displays the govcomm web interface. At the top, there is a navigation bar with icons for Live View, Playback, Snapshot, and Setting. Below this, a sidebar on the left lists various settings categories: System, Network, Video/Audio, Image, PTZ, Event, and Storage. The main content area is titled 'Quick Start' and features a tabbed interface with 'Local Network', 'Video', 'Display', 'OSD', and 'Date and Time'. The 'Local Network' tab is active, showing configuration fields for Network Card ID (set to 1), IP Protocol (set to IPv4), DHCP (disabled), IP Address (192.168.1.64), Subnet Mask (255.255.255.0), Default Gateway (192.168.1.1), DNS (disabled), Preferred DNS Server (192.168.1.189), Alternate DNS Server (192.168.1.230), and MTU (1500). An 'Apply' button is located at the bottom of the configuration area.

Setting	Value
Network Card ID	1
IP Protocol	IPv4
DHCP	Off
IP Address	192.168.1.64
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS	Off
Preferred DNS Server	192.168.1.189
Alternate DNS Server	192.168.1.230
MTU	1500

Video Setup

Setting > Quick Start > Video

- Configure:
 - Stream 1 (primary)
 - H.265 preferred
 - Resolution and frame rate
 - Bit rate (CBR/VBR)
- RTSP streaming is available for integration with VMS and third-party software
 - Default RTSP port is 554
- Click Apply to save settings



The screenshot shows the 'Video' configuration page in the govcomm interface. The left sidebar lists 'Quick Start' with sub-items: System, Network, Video/Audio, Image, PTZ, Event, and Storage. The main content area has tabs for 'Local Network', 'Video', 'Display', 'OSD', and 'Date and Time'. The 'Video' tab is active, showing settings for three streams (1, 2, and 3). The settings include Name, Video Encode Type, Video Encode Level, Audio Encode Type, Resolution, Frame Rate (fps), I Frame Interval, Bit Rate Type, Bit Rate, Image Quality, Smart Encode, and Event Stream. An 'Apply' button is at the bottom.

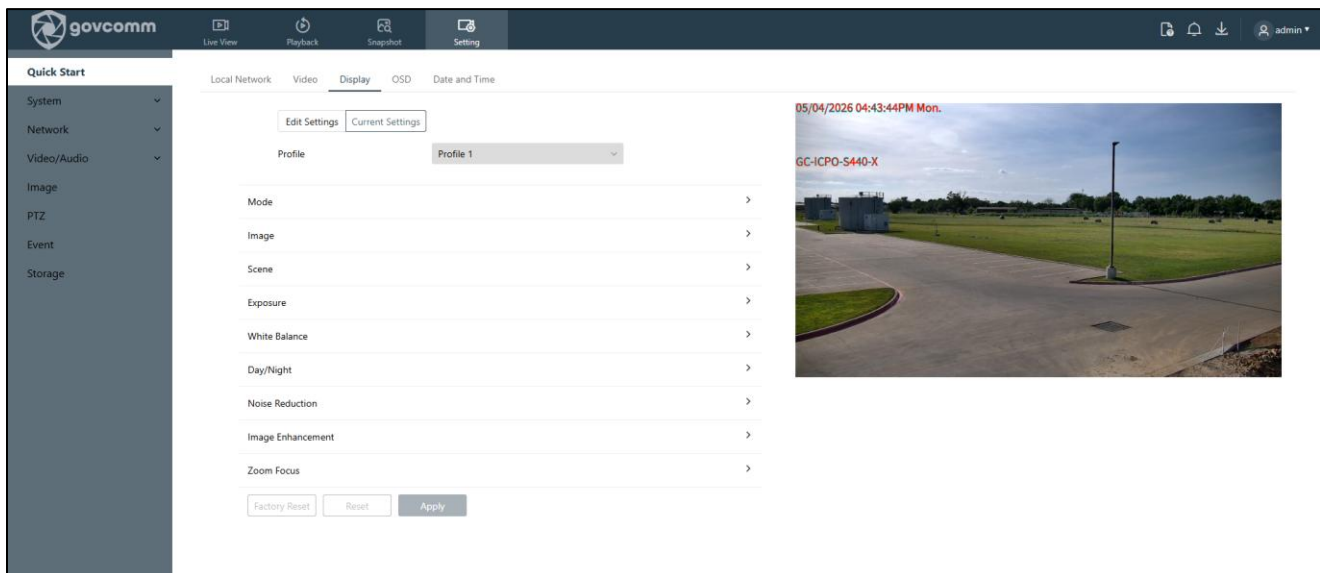
Stream ID	1	2	3
Name	stream1	stream2	stream3
Video Encode Type	H264	H264	H264
Video Encode Level	High	Low	Low
Audio Encode Type	G711_ALAW	G711_ALAW	G711_ALAW
Resolution	1920x1080	D1	CIF
Frame Rate(fps)	30	30	30
I Frame Interval	60	60	60
Bit Rate Type	VBR	VBR	VBR
Bit Rate	12000 (100-12000kbps)	1500 (100-6000kbps)	256 (100-1500kbps)
Image Quality	Mid	Mid	Mid
Smart Encode	☐	☐	☐
Event Stream	☐	☐	☐

Note 📖 : Video settings can remain at their factory default values unless site-specific operational requirements require adjustments.

Display Setup

Setting > Quick Start > Display

- Set:
 - Scene (Outdoor typical)
 - Day/Night = Auto
 - Brightness / contrast / sharpness
 - WDR for high contrast
 - IR / white light mode for night
- Click Apply to save settings

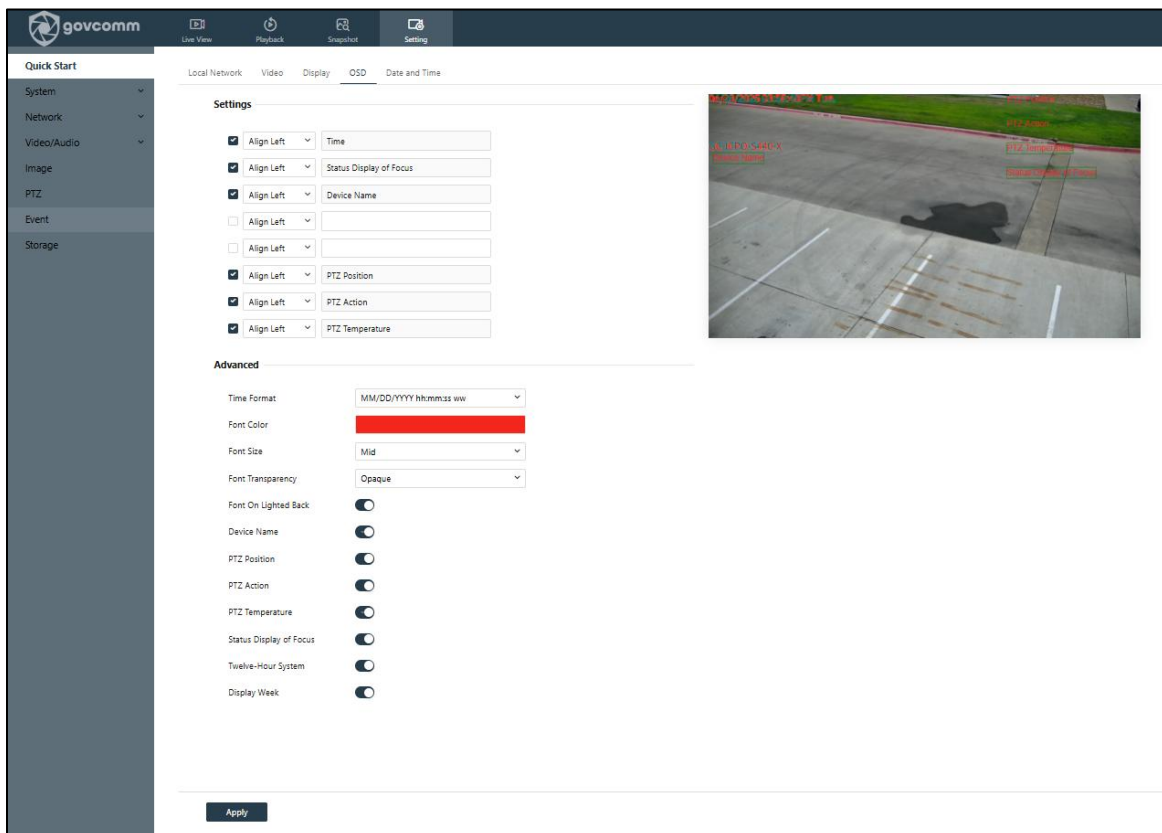


Note : Display settings can remain at their factory default values unless site-specific operational requirements require adjustments.

On-Screen Display (OSD)

Setting > Quick Start > OSD

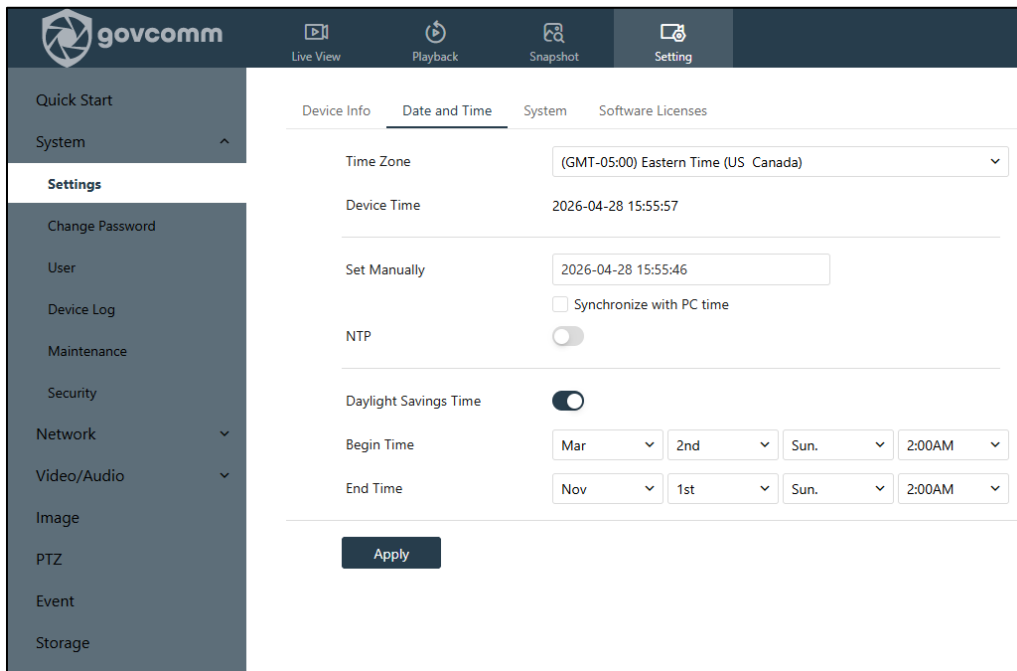
- Enable
 - Device name
 - Time
 - Customized content
- Click Apply to save the settings



Date and Time

Settings > Quick Start > Date and Time

- Configure
 - Time zone and Daylight-Saving Time (DST)
 - Date and time (manual or synchronized)
 - Network Time Protocol (NTP) server settings
- Clicks Apply to save settings



The screenshot shows the govcomm web interface. The top navigation bar includes 'Live View', 'Playback', 'Snapshot', and 'Setting'. The left sidebar has a 'Quick Start' menu with 'System' expanded, showing 'Settings' and various system functions like 'Change Password', 'User', 'Device Log', 'Maintenance', 'Security', 'Network', 'Video/Audio', 'Image', 'PTZ', 'Event', and 'Storage'. The main content area is titled 'Date and Time' and contains the following settings:

- Time Zone:** A dropdown menu set to '(GMT-05:00) Eastern Time (US Canada)'.
- Device Time:** Displays '2026-04-28 15:55:57'.
- Set Manually:** A text input field containing '2026-04-28 15:55:46'.
- Synchronize with PC time:** An unchecked checkbox.
- NTP:** A toggle switch that is currently turned off.
- Daylight Savings Time:** A toggle switch that is currently turned on.
- Begin Time:** A series of dropdowns set to 'Mar', '2nd', 'Sun.', and '2:00AM'.
- End Time:** A series of dropdowns set to 'Nov', '1st', 'Sun.', and '2:00AM'.

An 'Apply' button is located at the bottom of the settings section.

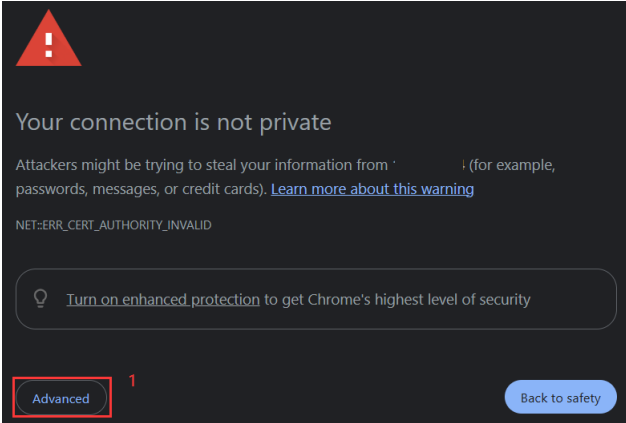
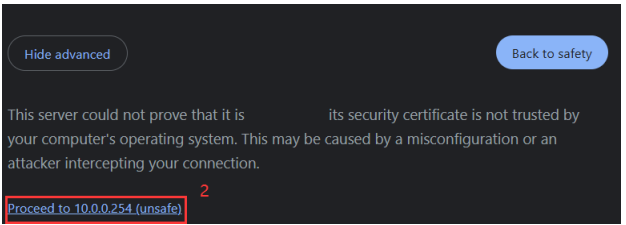
Focus / Lens

- Adjust zoom and focus
- Enable autofocus if available

Storage

- Configure SD / FTP / NAS if needed

Troubleshooting

Issue	Possible Cause	Solution
Security certificate warning	Certificate not installed	Click Advanced; “Continue to XX (unsafe)” to proceed  
Cannot access web interface	Network disconnected; duplicate IP; different subnet	Check cabling; ping device; ensure unique IP and same subnet; try direct PC-to-camera
Web interface not loading after upgrade	Browser cache not cleared	Clear browser cache (Ctrl + Shift + Delete); reload page
Firmware upgrade fails	Network disconnected; incorrect settings; wrong package	Verify network connection; check settings; use correct firmware package

**GovComm**

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