



ROAM Camera Cart User Manual

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About this manual

This manual covers everyday use of the ROAM Camera Cart: power and charging, the control display, camera control, recording, playback, uploading to VALT, downloading recordings, settings and troubleshooting. For first-time setup, see the ROAM Camera Cart Quick Start. For network configuration and connecting the cart to a VMS, see the ROAM Camera Cart Setup and Commissioning Guide.

CAUTION Do not open the cart

The ROAM Camera Cart ships fully assembled. Do not open or disassemble any part of the cart. All repairs must be performed by an IVS-certified technician.

1. Product overview

The ROAM Camera Cart is a mobile recording cart with a PTZ (pan, tilt, zoom) camera, a built-in microphone and speaker, and a touch control display.

The cart can be used:

- **With VALT:** recordings are made on your VALT server. When VALT is not reachable, the cart records locally to its internal storage, and these local recordings can be uploaded to VALT later.
- **With another VMS:** your VMS records the cart's camera and encoder video streams.
- **On its own, with no VMS:** the cart records locally, plays recordings back on the control display, and makes them available for download from its built-in web page.

Features

- PTZ camera
- Built-in microphone and speaker
- 10" touch control display with live view and playback
- Two HDMI encoders for capturing external video sources
- One HDMI passthrough output
- Local recording and playback
- VALT integration, with upload of local recordings

- Built-in web page for downloading recordings
- Wired or wireless network connection
- Built-in rechargeable battery

For dimensions and other details, see section 13, Specifications.

2. Get started

Charge the battery

1. Connect the charger to the charging port on the back of the cart.
2. Plug the charger into a wall outlet.

The light on the charger is red while charging and turns green when the battery is full.

NOTE

The cart runs for approximately 15 hours on a full charge. The cart can be used while it charges.

NOTE

While the cart is charging, the battery meter always shows 100%. Use the light on the charger to tell when charging is complete.

Turn the cart on

1. Press the power button on top of the cart base.
The button lights green.
2. Wait for the live camera view to appear on the control display.

Turn the cart off

1. Press the power button on top of the cart base.
The button light goes out.

First-time setup

The first time the cart is turned on, a setup wizard connects it to your network and, optionally, to VALT. Follow the ROAM Camera Cart Quick Start. To run the wizard again later, see section 7.

3. Use the control display

Home screen



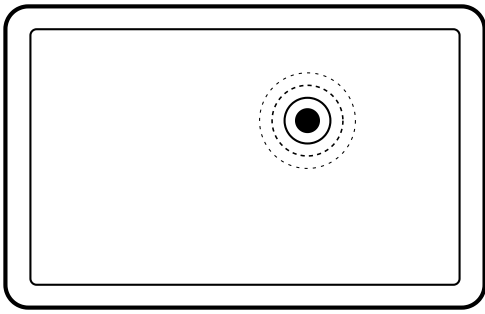
#	Item	Use
1	Camera icon	Switch the view between the camera and each encoder installed in the cart
2	Privacy icon	Turn camera privacy on or off. While privacy is on, the video feed is blacked out
3	Record icon	Start a recording. Changes to the stop icon while recording
4	Folder icon	Open the Recordings screen
5	VLT icon	Appears only while the cart is connected to VLT. Touch it to upload recordings
6	Wi-Fi icon	Shows whether the cart is connected to a wireless network
7	Gear icon	Open Settings (requires the device password)
8	Info icon	Open the Information screen

NOTE

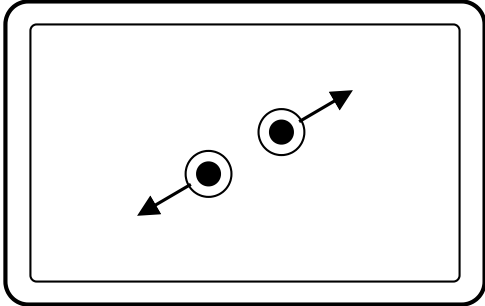
The encoders appear in the camera icon list whenever they are connected to the cart's internal network, whether or not an HDMI source is plugged in.

Point and zoom the camera

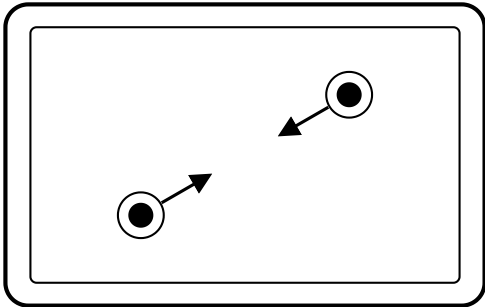
Point the camera: touch a spot on the live view. The camera centers on that spot.



Zoom in: place two fingers on the live view and spread them apart.



Zoom out: pinch two fingers together on the live view.

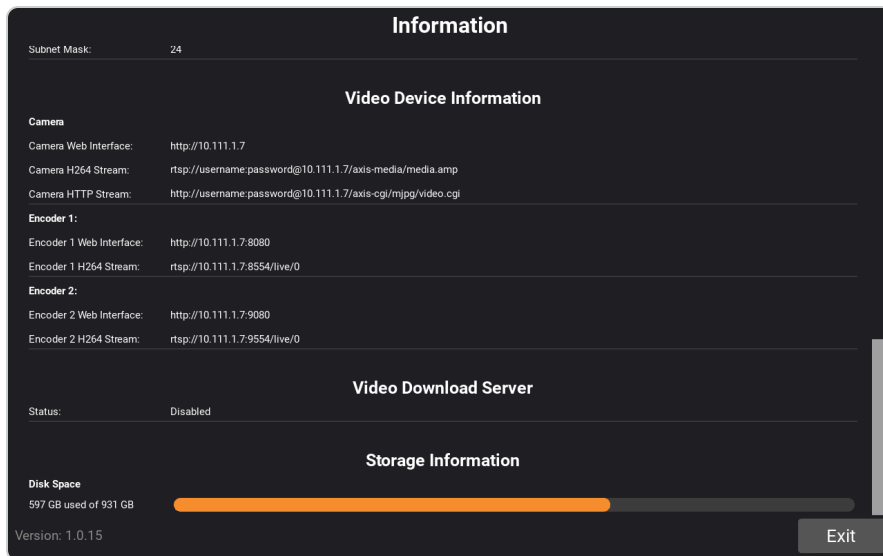


Camera control is available for the PTZ camera only. When the view is switched to an encoder, camera control and privacy are not available.

View cart information

Touch the info icon to open the Information screen. It shows:

- The cart's network connections and addresses
- The addresses of the camera and encoder video streams, in the form `rtsp://username:password@<cart IP>/...`
- The address and status of the video download page
- Storage used and free
- The software version, at the bottom of the screen



Touch **Exit** to return to the live view.

4. Record video

Make a recording

1. Touch the record icon on the right side of the screen.



2. Touch the stop icon to end the recording.



- **When the cart is connected to VALT:** the recording is made on your VALT server. Find it in the Review section of VALT.
- **When the cart is not connected to VALT:** the cart records locally to its internal storage. A timer shows the length of the recording. Find it on the Recordings screen (section 5).

NOTE

If the cart loses its connection to VALT, the screen shows **Lost Connection to VALT** and later recordings are made locally. When the connection returns, the screen shows **Reconnected to VALT**.

Record the encoder inputs

1. Open Settings > ROAM Video Devices.
2. Turn on **Record Encoder Streams**.

Local recordings then include a separate file for each encoder, in addition to the camera.

CAUTION

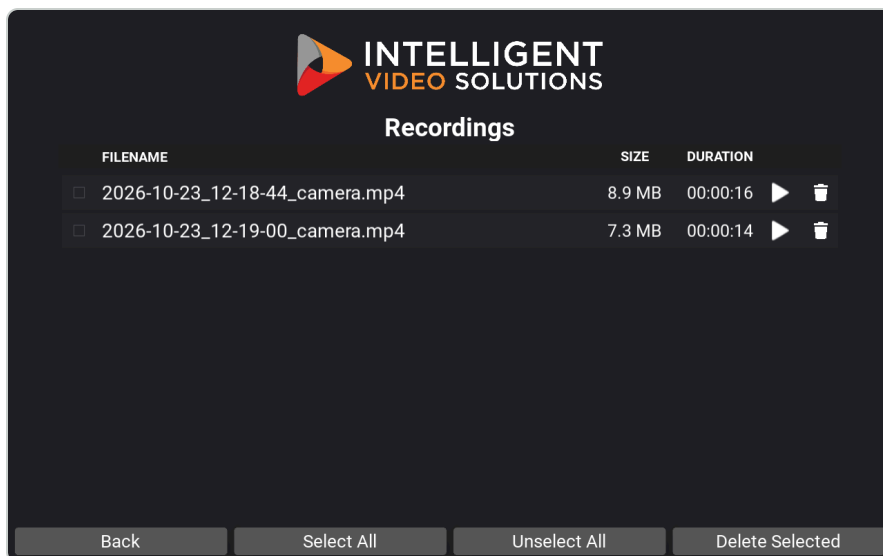
Recording encoder inputs locally may affect performance. For best results, record encoder inputs through VALT or another VMS.

Storage

Local recordings stay on the cart until you upload or delete them. See section 11 for storage messages.

5. Watch and manage local recordings

Touch the folder icon in the bottom-left corner to open the Recordings screen.



The screen lists each recording with its **FILENAME**, **SIZE** and **DURATION**.

Play a recording

1. Touch **Play** next to the recording.
2. Touch **Close** to return to the list.



IMPORTANT

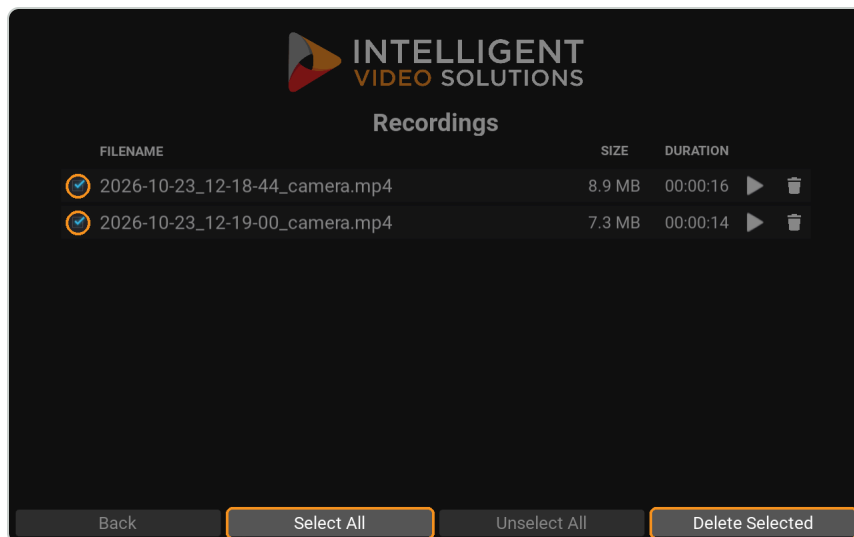
The cart records at a higher resolution than the control display, so the first time a recording is played, the cart converts it to fit the screen. This can take several minutes depending on the length of the recording, and the cart cannot be used while a video is converting. The original recording is not affected.

Delete recordings

- To delete one recording, touch the trash icon next to it.



- To delete several, check the box next to each one, or touch **Select All**, then touch **Delete Selected**.



CAUTION

Recordings are deleted immediately. There is no confirmation step and deleted recordings cannot be recovered.

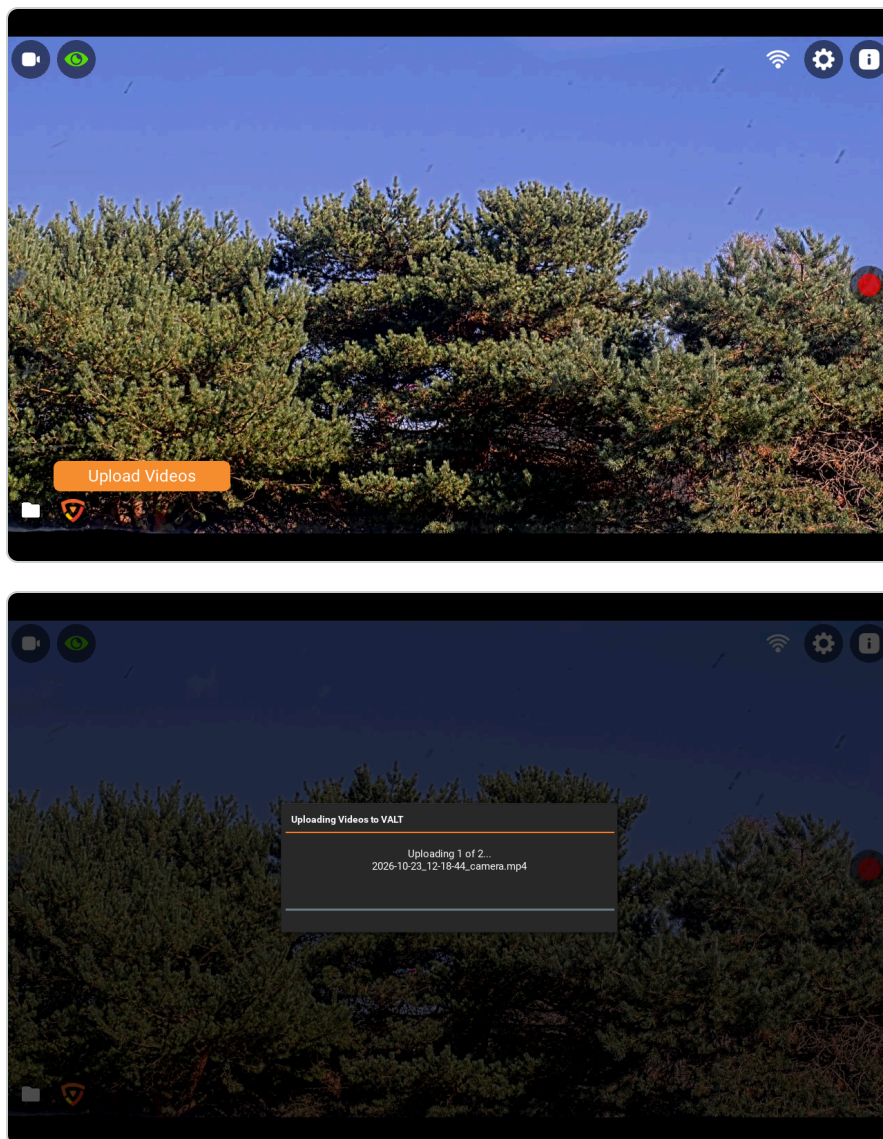
Touch **Back** to return to the live view.

6. Move recordings off the cart

Upload recordings to VALT

1. Make sure the cart is connected to VALT. The VALT icon appears in the bottom-left corner.
2. Touch the VALT icon.
3. Touch **Upload Videos**.

A progress window shows each recording as it uploads.



Uploaded recordings appear in the Review section of VALT, belonging to the VALT user the cart is signed in with.

NOTE

Each local recording is removed from the cart after it uploads to VALT. A recording that does not upload stays on the cart.

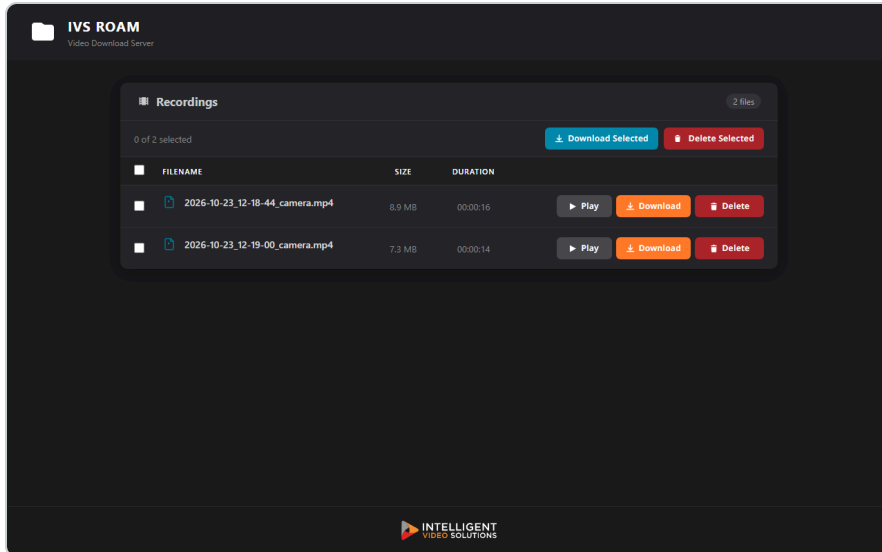
Download recordings in a web browser

Turn on the download page

1. Open Settings > Video Download.
2. Turn on **Enable Download Server**.
3. Change the **Username** and **Password** for the download page. The defaults are listed in section 8.

Open the download page

1. Touch the info icon. The **Video Download Server** section shows the address of the download page.
2. On a computer on the same network, open a web browser and go to that address. It looks like `https://<cart IP>:10443/`.
3. If the browser shows a security warning, continue to the page. See section 12 for why.
4. Sign in with the download page username and password.

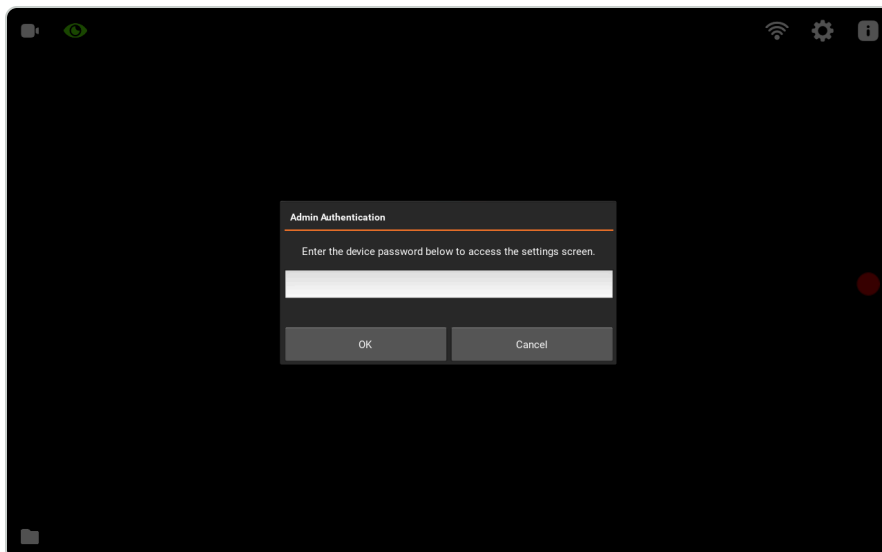


On the download page you can play, download and delete recordings, or select several and download them together as a ZIP file.

7. Common settings tasks

Open Settings

1. Touch the gear icon.
2. Enter the device password. The default is `admin51`.



IMPORTANT

IVS recommends that the default device password be changed. See "Change the device password" below.

To leave Settings, touch **Close** in the top-right corner.

Change the device password

1. Open Settings > Application.
2. Touch **Password** and enter a new password.

Change the wireless network

1. Open Settings > ROAM Configuration.
2. Under **ROAM Wifi Config**, touch **Scan for Wireless Networks** and choose the network, or enter the **SSID**.
3. Set **Authentication Type**, then enter the **Preshared Key**, or the **EAP Method**, **EAP Username** and **EAP Password**.
4. Touch **Apply Wireless Settings**.

The cart applies the settings and checks the connection.

ROAM Configuration	Close
ROAM Configuration	
ROAM Bridge Config	
ROAM Internal IP	192.168.20.1
ROAM Username	ivsadmin
ROAM Password	*****
Provision Device Push default config to a new or factory-reset ROAM device	
ROAM Control Device Config	
Control Device IP IP of the device running this application on the ROAM network	192.168.20.5
ROAM Wifi Config	
Radio Frequency	2.4 GHz
SSID	IVS-Wireless
Scan for Wireless Networks	
Authentication Type	wpa2-eap,wpa3-eap
Preshared Key Use with PSK Auth Modes Only!	
EAP Method Use with EAP Auth Modes Only!	peap

Change the VALT server or login

1. Open Settings > VALT.
2. Change the **Server**, **Username**, **Password** or **Room** as needed.

The VALT panel appears only when Settings > Application > **VMS** is set to **VALT**.

Set the inactivity timeout

The control display can switch to a splash screen or a blank screen when it has not been touched for a set time.

1. Open Settings > System.
2. Turn on **Enable Timeout**.

3. Set **Timeout** to the number of seconds before the screen changes.
4. Set **Timeout Screen** to **Splash** or **Blank**.

Touch the screen to return to the live view.

Run the setup wizard again

1. Open Settings > System.
2. Touch **Start Configuration Wizard**.
3. Follow the steps in the Quick Start.

8. Settings reference

Settings are grouped into panels. This section lists every panel in the order it appears on the control display.

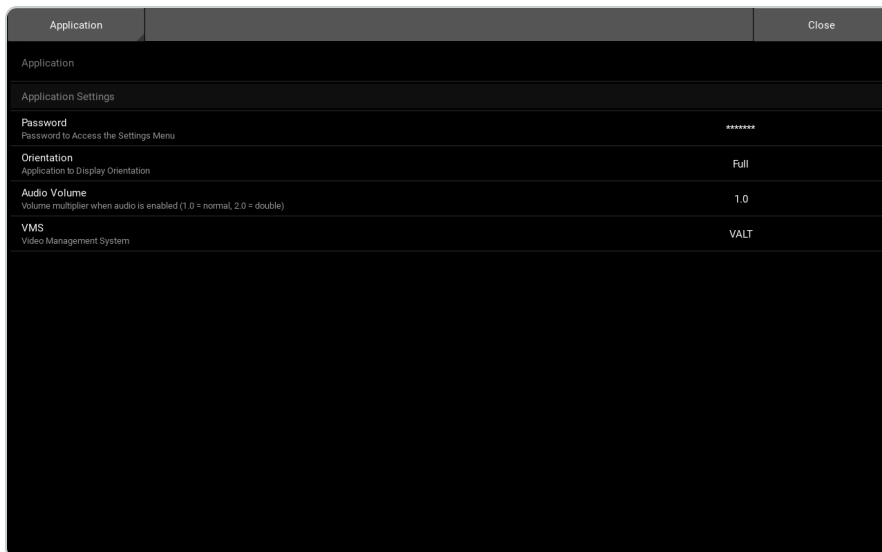
IMPORTANT

The cart ships with default passwords, listed in the tables below. IVS recommends that the default passwords be changed.

NOTE

Some settings are set for the ROAM Camera Cart and should be left at their defaults unless IVS support instructs otherwise. They are marked **Leave at default** below.

Application



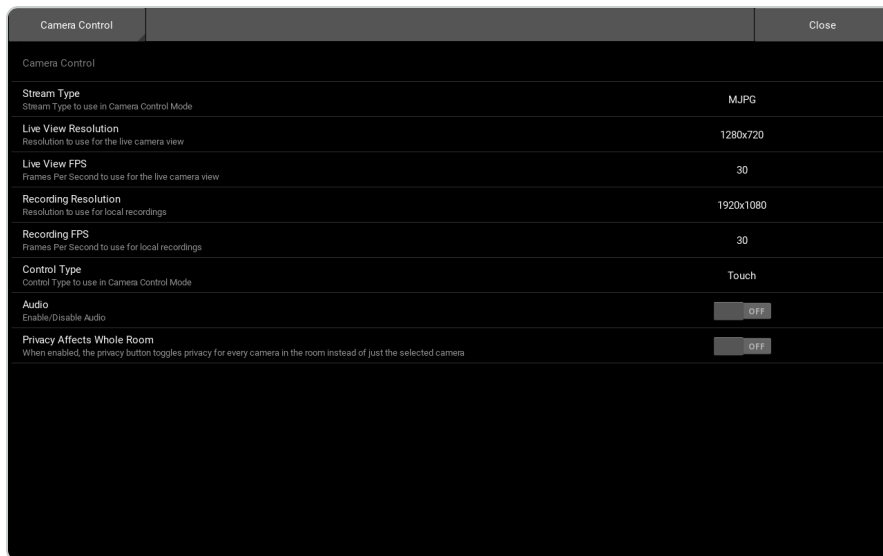
Setting	Default	What it does	Notes
Password	admin51	Device password used to open Settings	IVS recommends that the default password be changed

Setting	Default	What it does	Notes
Orientation	Full	Screen layout	Leave at default. The cart is designed for the full screen layout
Audio Volume	1.0	Volume of camera audio on the control display	Leave at default. Only applies when Camera Control > Audio is on
VMS	None	VALT or None . Shows or hides the VALT panel	Set by the setup wizard

NOTE

Speaker volume is set with the volume knob on the speaker, not in Settings.

Camera Control



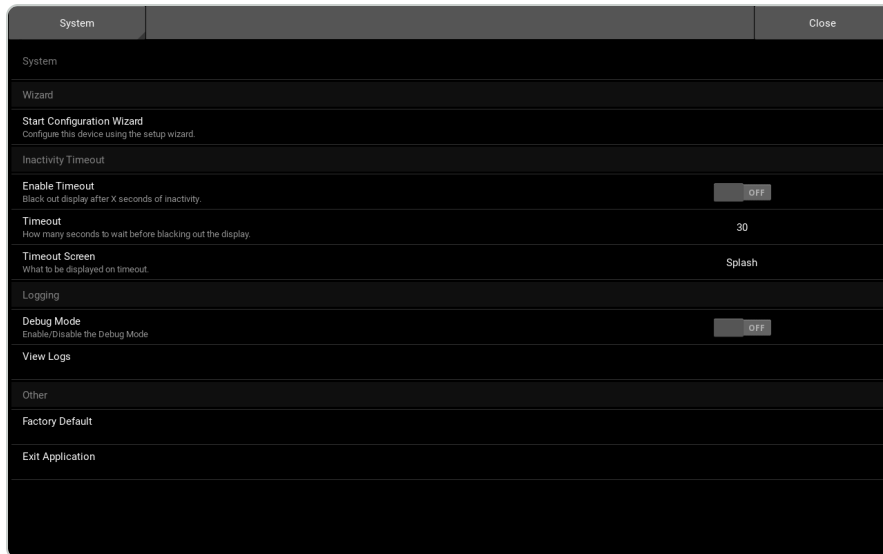
Setting	Default	What it does	Notes
Stream Type	MJPG	Video stream used for the live view	Leave at default. Other types add delay to the live view
Live View Resolution	1280x720	Picture quality on the control display	Leave at default
Live View FPS	30	Frame rate on the control display	Leave at default
Recording Resolution	1920x1080	Picture quality of local recordings	Leave at default
Recording FPS	30	Frame rate of local recordings	Leave at default
Control Type	Touch	Touch: tap to point, spread and pinch to zoom. Button: on-screen pan, tilt and zoom buttons	
Audio	Off	Plays camera audio on the control display	Leave at default. See the caution below

Setting	Default	What it does	Notes
Privacy Affects Whole Room	Off	Applies privacy to the whole VALT room, not just this camera	Applies only when the cart is connected to VALT

CAUTION

Turning on **Audio** for live playback may cause a feedback loop.

System



Setting	Default	What it does	Notes
Start Configuration Wizard		Runs the setup wizard	
Enable Timeout	Off	Turns on the inactivity timeout	See section 7
Timeout	30	Seconds without a touch before the screen changes	
Timeout Screen	Splash	What the screen shows after the timeout: Splash or Blank	
Debug Mode	Off	Adds detail to the logs	Leave at default unless IVS support instructs otherwise
View Logs		Shows the cart's logs	Used by IVS support for troubleshooting
Factory Default		Resets all settings to how the cart shipped	See section 9 before using
Exit Application		Closes the cart's application	The application restarts automatically

Time

Time

Close

Time

Display

Show Date/Time

Display clock on the main screen

On

Timezone

Timezone

Select the local timezone

America/Chicago

Network Time (NTP)

Enable NTP

Synchronize clock with a network time server

On

NTP Server

NTP server address

pool.ntp.org

Setting	Default	What it does	Notes
Show Date/Time	On	Shows the date and time on the screen	
Timezone	America/Chicago	Time zone	Set by the setup wizard
Enable NTP	On	Sets the clock from a time server	
NTP Server	pool.ntp.org	Time server address	

Network

This panel sets the control display's own address on the cart's internal network.

Network

Close

Network

Ethernet

Interface

Ethernet interface name (e.g. end0)

end0

IP Configuration

Static

IP Address

192.168.20.5

Subnet

28

Gateway

192.168.20.1

DNS

DNS Server 1

8.8.8.8

DNS Server 2

8.8.4.4

Apply Network Settings

Setting	Default	What it does	Notes
Interface	end0	Network interface	Leave at default

Setting	Default	What it does	Notes
IP Configuration	Static	Address mode	Leave at default
IP Address	192.168.20.5	Control display address	Leave at default
Subnet	28	Subnet	Leave at default
Gateway	192.168.20.1	Router address	Leave at default
DNS Server 1 / 2	8.8.8.8 / 8.8.4.4	Name servers	Leave at default
Apply Network Settings		Applies changes	

IMPORTANT

Changing these settings can disconnect the control display from the cart's camera and router. Leave them at their defaults unless IVS support instructs otherwise.

VALT

Appears only when Settings > Application > **VMS** is set to **VALT**. See the Setup and Commissioning Guide for details.

Setting	Default	What it does	Notes
Server		VALT server address	Set by the setup wizard. Update here if the server address changes
Username / Password		VALT login the cart uses	Set by the setup wizard. Update here if the login changes
Recording Name	Accessory Recording	Name given to recordings started from the cart	
Comment Name	Accessory Comment	Name given to comments added from the cart	

Setting	Default	What it does	Notes
Room		VALT room for this cart	Set by the setup wizard
Timeout	5	Seconds to wait for the VALT server to respond	Leave at default
Recording Button / Lock Button / Comment Button		Not used in the cart's full screen layout	Leave at default

ROAM Configuration

Settings for the cart's internal router and its connection to your network. See the Setup and Commissioning Guide for details.

ROAM Configuration

Close

ROAM Configuration

ROAM Bridge Config

ROAM Internal IP

192.168.20.1

ROAM Username

ivsadmin

ROAM Password

Provision Device

Push default config to a new or factory-reset ROAM device

ROAM Control Device Config

Control Device IP

IP of the device running this application on the ROAM network

192.168.20.5

ROAM Wifi Config

Radio Frequency

2.4 GHz

SSID

IVS-Wireless

Scan for Wireless Networks

Authentication Type

wpa2-eap,wpa3-eap

Preshared Key

Use with PSK Auth Modes Only

EAP Method

Use with EAP Auth Modes Only

peap

ROAM Configuration

Close

Management Protection

Must be disabled for some wireless networks (Cisco)

on

Apply Wireless Settings

Reapplies current config and checks wireless status.

Check Wireless Status

Checks wireless status only

ROAM Wifi IP Configuration

DHCP

ROAM Wifi IP

Only if set to static

ROAM Wifi Subnet Mask

Only if set to static

ROAM Wifi Gateway

Only if set to static

ROAM Wired Config

ROAM Wired IP Configuration

DHCP

ROAM Wired IP

Only if set to static

ROAM Wired Subnet Mask

Only if set to static

ROAM Wired Gateway

Only if set to static

ROAM DNS Config

DNS Server 1

Only if set to static

192.168.0.1

DNS Server 2

Only if set to static

192.168.0.1

Setting	Default	What it does	Notes
ROAM Internal IP	192.168.20.1	Router address inside the cart	Leave at default

Setting	Default	What it does	Notes
ROAM Username	ivsadmin	Router username the app uses	Leave at default
ROAM Password	@dmin51!!	Router password the app uses	IVS recommends that the default password be changed
Provision Device		Applies the cart's standard router configuration	Use only when instructed by IVS support
Control Device IP	192.168.20.5	Control display address	Leave at default
Radio Frequency	2.4 GHz	Wi-Fi band: 2.4 GHz or 5 GHz	Must match your wireless network
SSID		Wi-Fi network name	Set by the setup wizard. To change it, see section 7
Scan for Wireless Networks		Lists available networks	
Authentication Type		Wi-Fi security type	Must match your wireless network
Preshared Key		Wi-Fi password, for password (PSK) networks	Used only with PSK authentication types
EAP Method / EAP Username / EAP Password		Sign-in for enterprise (EAP) networks	Used only with EAP authentication types
Management Protection	On	Wi-Fi management frame protection	Turn off if your IT team requires it. Some Cisco networks do
Apply Wireless Settings		Applies the Wi-Fi settings and checks the connection	Use after changing any Wi-Fi setting
Check Wireless Status		Checks the Wi-Fi connection only	
ROAM Wifi IP Configuration	DHCP	Address mode on Wi-Fi: DHCP or Static	Use Static only if your IT team assigns a static IP address
ROAM Wifi IP / Subnet Mask / Gateway		Static address on Wi-Fi	Used only when ROAM Wifi IP Configuration is Static
ROAM Wired IP Configuration	DHCP	Address mode on a wired connection: DHCP or Static	Use Static only if your IT team assigns a static IP address
ROAM Wired IP / Subnet Mask / Gateway		Static address on a wired connection	Used only when ROAM Wired IP Configuration is Static
DNS Server 1 / 2		Name servers	Used only with a static IP address

ROAM Video Devices

ROAM Video Devices

Close

ROAM Video Devices

ROAM Camera Config

ROAM Camera IP

192.168.20.2

ROAM Camera Username

root

ROAM Camera Password

ROAM Encoder 1 Config

ROAM Encoder 1 IP

192.168.20.3

ROAM Encoder 1 Username

root

ROAM Encoder 1 Password

ROAM Encoder 2 Config

ROAM Encoder 2 IP

192.168.20.4

ROAM Encoder 2 Username

root

ROAM Encoder 2 Password

ROAM Recording Config

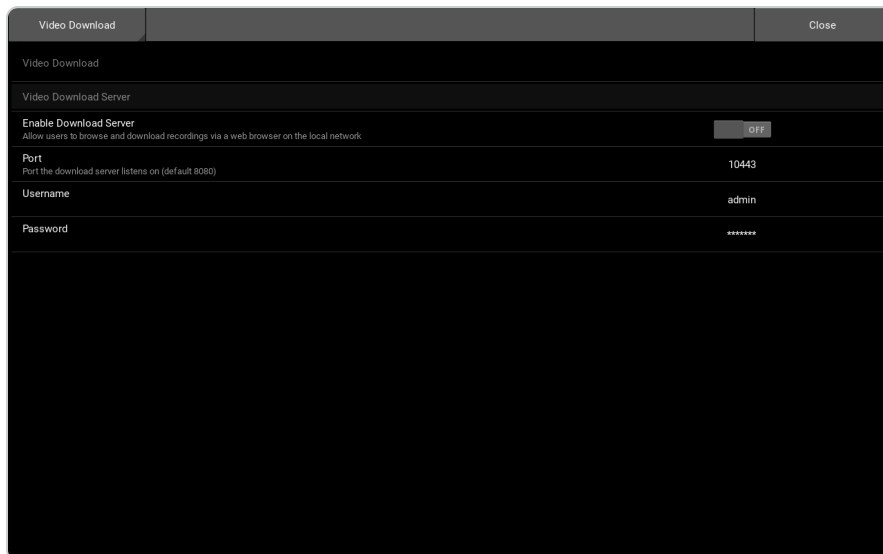
Enable Local Recording

Allow recording directly to this device

ON

Setting	Default	What it does	Notes
ROAM Camera IP	192.168.20.2	Camera address inside the cart	Leave at default
ROAM Camera Username	root	Camera username the app uses	Leave at default
ROAM Camera Password	admin51	Camera password the app uses	IVS recommends that the default password be changed
ROAM Encoder 1 IP	192.168.20.3	Encoder 1 address inside the cart	Leave at default
ROAM Encoder 1 Username	root	Encoder 1 username the app uses	Leave at default
ROAM Encoder 1 Password	admin51	Encoder 1 password the app uses	IVS recommends that the default password be changed
ROAM Encoder 2 IP	192.168.20.4	Encoder 2 address inside the cart	Leave at default
ROAM Encoder 2 Username	root	Encoder 2 username the app uses	Leave at default
ROAM Encoder 2 Password	admin51	Encoder 2 password the app uses	IVS recommends that the default password be changed
Enable Local Recording	On	Records locally when VALT is not connected	When off, the cart can record only while connected to VALT
Record Encoder Streams	Off	Adds a file for each encoder to local recordings	See the caution in section 4

Video Download



Setting	Default	What it does	Notes
Enable Download Server	Off	Turns on the download page	See section 6
Port	10443	Port of the download page	Leave at default. The download page only works on 10443
Username	admin	Download page username	Leave at default
Password	admin51	Download page password	IVS recommends that the default password be changed

9. Reset to factory default settings

Factory default returns all settings to how the cart shipped, including its internal network.

CAUTION

A reset may delete recordings stored on the cart. Upload or download any recordings you want to keep first.

IMPORTANT

After a reset, the cart must be set up again with the setup wizard.

1. Open Settings > System.
2. Touch **Factory Default**.
3. Touch **Yes** to confirm.

The cart resets. This takes a few minutes.

4. Run the setup wizard: open Settings > System and touch **Start Configuration Wizard**. See the Quick Start.

10. Software updates

The cart's software updates automatically when the cart can reach the internet. Recordings and settings are kept when the software updates.

To check the software version, open the Information screen. The version is shown at the bottom.



11. Troubleshooting

Check the software version on the Information screen before contacting support.

Power and battery

Problem	Solution
The cart does not turn on	Charge the cart. Check that the charger is plugged in and its light is on. If the cart still does not turn on, contact IVS support.
The charger light does not come on	Check that the charger is plugged into a working outlet and connected to the charging port.
The battery meter shows 100% while charging	This is expected. Use the charger light to tell when charging is complete.
The battery runs down sooner than expected	Charge the cart fully before use. The battery meter shows the approximate charge only.

Network

Problem	Solution
The Wi-Fi icon shows disconnected	Check that the wireless network is available. In Settings > ROAM Configuration, touch Check Wireless Status . If the network name or password changed, update them in Settings > ROAM Configuration (section 7).
ROAM Wireless Bridge Not Found	Turn the cart off and on again. If the message returns, contact IVS support.
Wireless Connection Failed	Check the network name, authentication type and password with your IT team, then try again. Some Cisco networks require Management Protection to be off.
Your VMS cannot reach the cart	The cart's IP address may have changed. Ask your IT team to set up a DHCP reservation for the cart, or a static IP address.

Camera and picture

Problem	Solution
Connecting to Camera. Please Wait... does not clear	Wait one minute. If the message remains, turn the cart off and on again.

Problem	Solution
Error Loading Camera Feed or No Cameras Available	Turn the cart off and on again. If the message returns, contact IVS support.
Could not connect to the camera...	Turn the cart off and on again. If the message returns, contact IVS support.
The camera rejected the username or password...	The camera login in Settings > ROAM Video Devices does not match the camera. If the camera password was changed, enter the new password there. Otherwise, contact IVS support.
An encoder is missing from the camera icon list	The encoder is not responding on the cart's internal network. Turn the cart off and on again. If it is still missing, contact IVS support.
An encoder shows no picture	Check that the HDMI source is connected and turned on.
The camera does not move	Check that the view is set to the camera, not an encoder.

Recording

Problem	Solution
Select a camera, then press Record again.	Touch the camera icon, choose the camera, then touch the record icon.
Disk space is currently low! or Disk space is low	Upload recordings to VALT or delete recordings you no longer need.
This device is out of storage space...	Upload or delete recordings, then try again.
The recording software is missing on this device...	Contact IVS support.

VALT

Problem	Solution
The VALT icon does not appear	The cart is not connected to VALT. Check that the cart is connected to the network. If the VALT server address or login changed, update them in Settings > VALT (section 7).
Lost Connection to VALT	The cart reconnects on its own when VALT is reachable. Recordings made in the meantime are stored locally; upload them when the VALT icon returns.
Failed to connect to VALT during setup	Check the VALT address, username and password, then try again.
A recording is not in VALT	If the recording was made while the cart was not connected to VALT, it is a local recording. Upload it (section 6).
A recording is still on the cart after uploading	The upload did not finish. Upload again.

Download page

Problem	Solution
The download page does not open	Check that Enable Download Server is on, that the computer is on the same network as the cart, and that the address starts with <code>https://</code> and ends with <code>:10443/</code> .
The browser shows a security warning	This is expected. Continue to the page. See section 12.

Settings

Problem	Solution
Invalid Password when opening Settings	Enter the device password again. If it has been lost, contact IVS support.

If a problem is not listed, contact IVS support. Support may ask you to open Settings > System > **View Logs**.

12. Learn more

Local recording and VALT

When the cart is connected to VALT, the record icon starts a recording on the VALT server, and the video does not need to be stored on the cart. When the cart is not connected, it records locally so nothing is missed. Local recordings can be uploaded to VALT later, or downloaded from the download page.

Talkback

The cart's speaker plays audio sent from VALT, so a person using VALT can talk to people at the cart. Use the volume knob on the speaker to set the level.

The download page security warning

The download page uses an encrypted (HTTPS) connection with its own security certificate. Browsers warn about certificates they do not already know, so the warning is expected. The connection is still encrypted.

Network ports

The ROAM Camera Cart uses the following network ports.

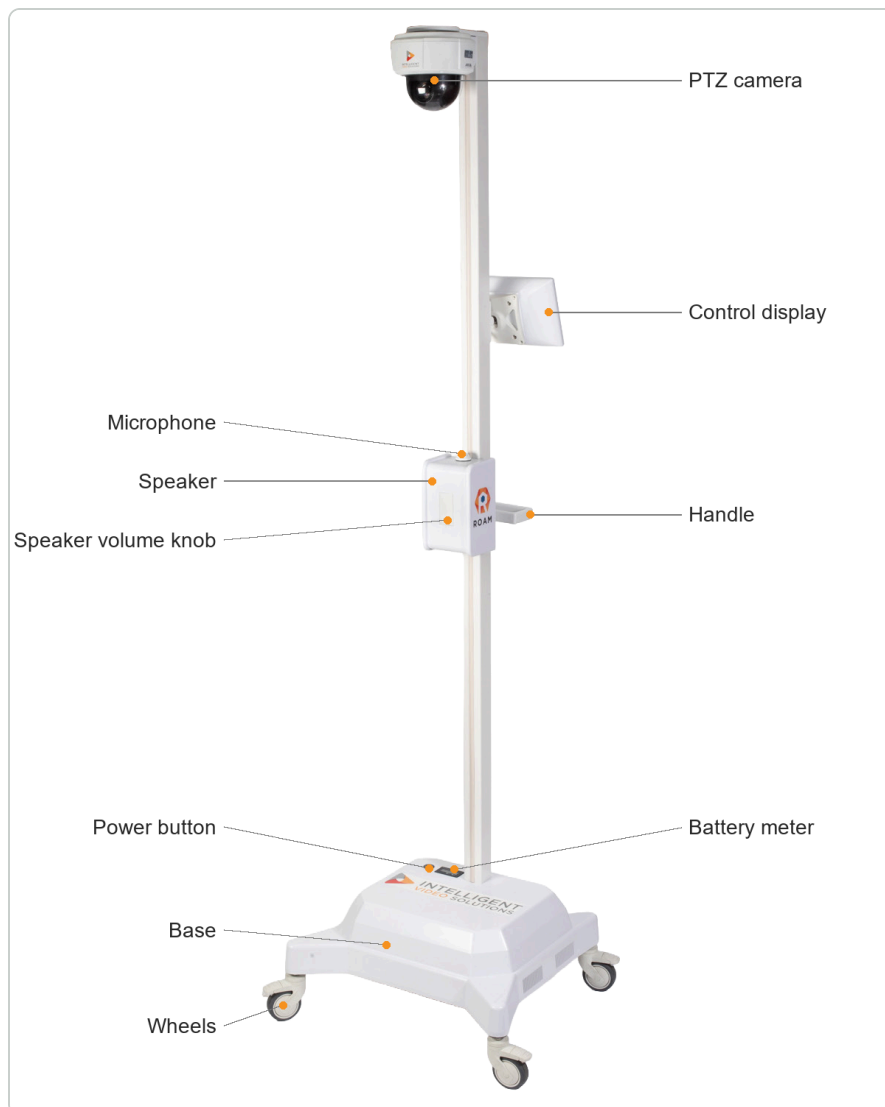
Port	Use
80, 443	Camera web interface
554	Camera video stream
8080 / 8554	Encoder 1 web interface / video stream
9080 / 9554	Encoder 2 web interface / video stream
10443	Video download page

Port	Use
22	Control display access for troubleshooting. Not required for normal operation

When the cart is used with VALT, it also needs to reach the VALT server on port 80 and/or 443.

13. Specifications

Product overview



Dimensions and capacity

Item	Value
Overall height	80 in
Base to handle	31.75 in

Item	Value
Base	21.5 in W x 19.5 in D
Battery	Built-in rechargeable battery
Runtime	Approximately 15 hours
Storage	256 GB
Encoders	Two HDMI encoders (standard)
Network	Wired (Ethernet) or wireless (2.4 GHz or 5 GHz)

Indicators

Indicator	State	Meaning
Power button	Green	The cart is on
Power button	Off	The cart is off
Charger light	Red	Charging
Charger light	Green	Fully charged
Battery meter	Reading	Approximate charge remaining. Shows 100% while charging

Controls

- **Power button:** on top of the cart base. Turns the cart on and off.
- **Speaker volume knob:** on the side of the speaker box. Sets the speaker volume.

Rear ports



1. Encoder 1 HDMI in

2. Encoder 1 HDMI out
3. Encoder 2 HDMI in
4. Network
5. Charging port

Encoder 1 HDMI out passes through the signal connected to Encoder 1 HDMI in.

14. Clean the cart

The cart's frame and base are powder-coated aluminum, stainless steel and ABS plastic.

Before cleaning

1. Turn the cart off and unplug the charger.
2. Apply any liquid to a cloth first. Never spray liquid directly on the cart.

CAUTION

Keep liquid out of the ports, the speaker grille, the power button and the charging port.

Routine cleaning

Weekly, or as needed:

- **Frame and base:** wipe with a soft microfiber cloth dampened with water and a little mild soap, then dry.
- **Control display:** wipe with a dry microfiber cloth. For smudges, use a cloth lightly dampened with water.
- **Camera dome:** remove dust with compressed air, then wipe gently with a microfiber cloth dampened with lukewarm water. Dry with a clean, non-abrasive cloth.

Disinfecting

Between uses, where required:

- **Frame, base, handle and control display:** wipe with 70% isopropyl alcohol on a cloth, or a pre-moistened 70% alcohol wipe, and let it air dry.
- **Camera dome:** use water only, unless IVS support approves a disinfectant. See also the camera manufacturer's cleaning guidance: Axis, "Clean your device" in the camera's user manual at help.axis.com, and the Axis white paper *Chemical resistance to common cleaning agents*.

Do not use

- Window cleaner, ammonia, bleach, acetone or other solvents
- Abrasive pads or powders
- Cleaning the camera in direct sunlight or high heat, which can leave stains

15. Security

- The cart ships with default passwords. IVS recommends that they be changed. See section 8.
- Before a cart is retired or transferred, delete its recordings (section 5), then reset it to factory default settings (section 9) to remove your network and VALT settings.

16. Warranty

The ROAM Camera Cart includes a 5-year depot repair warranty. An on-site warranty is available for purchase. For full warranty terms, contact your IVS Account Manager.

17. Support

- Web: www.ivs.help
- Phone: 262-746-9290, option 2
- Email: support@ipivs.com