

QUICK START GUIDE

Cliq HEVC Camera Back Mini Transmitter

From box to on-air in six steps: mount, connect, power, log in, configure and save a preset.

at the heart of the action



1× 4K/UHD or 2× HD

HEVC / AVC, 4:2:2 10-bit

LMS-T · DVB-T/T2 · ISDB-T

11–28 VDC

FocalPoint UHF camera control

1–3

Mount, connect & power up

4

Log in via Wi-Fi or Ethernet

5

Configure RF, encoder & service

6

Save & activate a preset

Before you start: safety essentials

- **Always fit an antenna to Tx (RF OUT)** before applying power. Never run the unit with covers removed.
- **RF exposure:** keep at least **15 mm** between people and the antenna (up to 27 mm at 100 mW / 7.5 GHz). Don't touch the antenna while powered.
- **Licensing:** you're responsible for valid frequency licences and site clearances for your location.

Handle with care

- Contains MOS devices, so use ESD precautions.
- Rated IPX0. Use the rain cover outdoors; keep it away from drips and splashes.
- Operating range 0 °C to 50 °C.

Good to know

- There is **no power switch**. The unit starts when DC is applied.
- Settings are kept after a power cycle.
- Some features need a licence: dual HD & 4K encode, each RF band, DVB-T2, UHF (FocalPoint) and CyanView camera control.

Know your connectors



Camera side: DC, SDI 1/2, Audio, CC, ETH and status LED



Antenna side: Rx (UHF IN) and Tx (RF OUT)

Connector	Type	Use
SDI 1	Micro BNC (F)	1× 4K UHD SDI (12G) or first HD SDI input (3G)
SDI 2	Micro BNC (F)	Second HD SDI input (3G), dual-HD mode only
AUDIO	6-pin Hirose (M)	External analogue audio: 2× mono or 1× stereo
CC	6-pin Hirose (F)	Serial camera control and data
DC	2-pin Lemo	Power input, 11–28 VDC
ETH	RJ45 10/100	Ethernet control (web GUI) and IP camera control
Rx (UHF IN)	50 Ω SMA (F)	UHF telemetry antenna (sold separately), 410–490 MHz
Tx (RF OUT)	50 Ω SMA (M)	RF output antenna (sold separately), 1.35–7.8 GHz in licensed bands

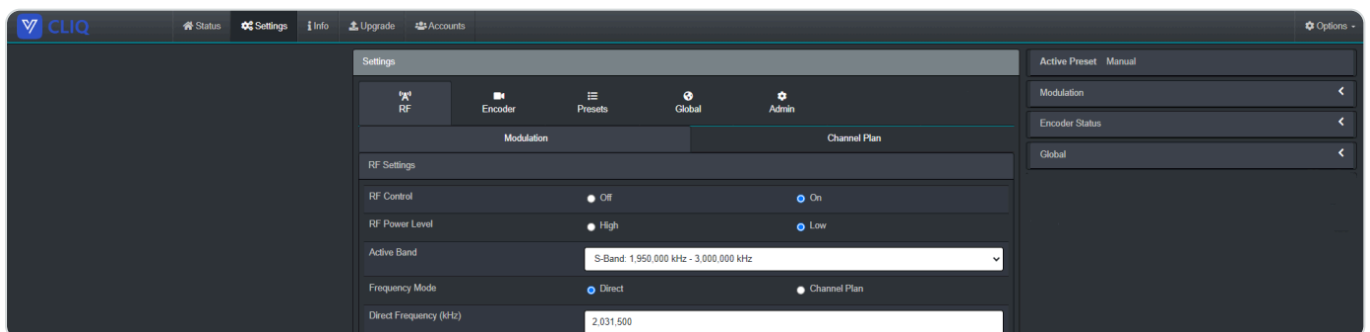
Plan your power

Power requirements	
Supply voltage	11–28 VDC
Consumption	Up to 24 W
Current	Over 2 A at 11 V

Check the camera can supply it

ClIQ draws more current than many camera DC outputs provide. Power it from the camera, from the camera's own supply via loop-through, or from a separate supply (handy for bench configuration).

Web GUI at a glance

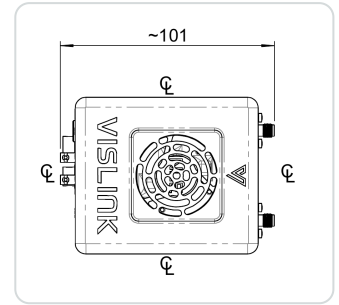
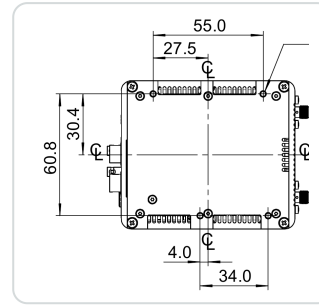


Main menus: **Status** (active preset and live status) · **Settings** (RF, Encoder, Presets, Global) · **Info** (ESN, serial, firmware, licences) · **Upgrade** · **Accounts**

1 Mount the transmitter

- Bolt to the camera, mounting plate or chassis using the **4× M3 holes** in the base (55.0 × 60.8 mm).
- Mount close enough for the SDI and control cables to reach the camera.
- Leave room to reach the connectors and fit both antennas.
- Using camera control or camera power? Prepare the camera control and power cables first.

SIZE L × W × H

~101 × 74 × 40.2 mm


Base view: 4× M3 mounting holes Top view: overall length

From drawing CLIQ-ASSY-7050 Rev 2.03. All dimensions in mm.

2 Connect cables and antennas

- Tx (RF OUT):** fit an antenna that matches your operating frequency. **Do this first.**
- SDI 1 / SDI 2:** connect the camera SDI output(s). Use SDI 1 alone for 4K (12G), or SDI 1 + SDI 2 for two HD (3G) cameras.
- Rx (UHF IN):** if you're using FocalPoint camera control, fit a suitable UHF antenna.
- Control / power:** connect the prepared camera-control and DC cables.

3 Power up

- Check all signal and power cables are connected and an antenna is fitted to Tx.
- Switch on the DC supply (camera).
- Wait about **1 minute** for boot-up. The status LED lights when it's ready.

Status LED	Meaning
● Green	RF output on
● Orange	RF output off
Solid (either colour)	SDI connected to the active input(s), or encoders set to Bars
Flashing (either colour)	SDI missing on an active input, or encoders disabled

4 Log in to the web GUI

 Connect your laptop by Wi-Fi **or** Ethernet, then open Google Chrome, browse to the unit's address and log in.

Option A: Wi-Fi

- Join Wi-Fi network **CLIQ-XXXXXX** (XXXXXX = electronic serial number).
- Enter the Wi-Fi password (first time only).

Option B: Ethernet

- Connect a network cable from your laptop to the **ETH** port.
- Give your laptop a fixed IP in the same range, e.g. 192.168.0.10.

WI-FI PASSWORD

Vislink2022!

WI-FI ADDRESS

192.168.50.1

ETHERNET ADDRESS

192.168.0.90

USERNAME / PASSWORD

root / root

5 Configure the link

Each tab only applies changes after you click **Save**.

a) RF: Settings > RF > Modulation

1. Set **RF Control** to **On** and **RF Power Level** to **High** (100 mW) or **Low** (50 mW).
2. Choose the **Active Band**, then set **Frequency Mode** to **Direct** (type the frequency in kHz) or **Channel Plan**.
3. Select the **Modulation Type**, then set **Bandwidth** and **Guard Interval** to match your receiver (see table). Leave **Polarity** at **Normal**.

Mode	Bandwidth	Guard interval	Data rate / notes
LMS-T	3–10 MHz, or 12–20 MHz dual carrier	1/8, 1/16	2.9–46.8 Mbit/s; allow about 10 s to reconfigure
DVB-T	6, 7, 8 MHz	1/4, 1/8, 1/16, 1/32	4.98–31.7 Mbit/s
DVB-T2	1.7, 5, 6, 7, 8 MHz	1/4, 1/8, 1/16, 1/32	Licensed option; QPSK to 256-QAM
ISDB-T	6, 7, 8 MHz	1/4, 1/8, 1/16, 1/32	4.89–30.9 Mbit/s; also set Interleave Depth (0–3)

b) Encoder: Settings > Encoder > Video-Audio

- **Video Source:** SDI 1, SDI 2 or Bars
- **Video Codec:** H.265 (HEVC) or H.264 (AVC, HD progressive only)
- **Bit Depth:** 8 or 10-bit · **Chroma:** 4:2:0 or 4:2:2
- **Audio:** set bit rate (128–384 kbps), enable pairs 1–4, choose Embedded/Analogue and MPEG-1 L2/AAC

c) Service: Settings > Encoder > Service

- Set **Service Name** and **Program Number**
- Set **Video PID**, **PMT PID** and audio PIDs to match the receiver

d) Optional: Settings > Global

- **Encryption:** BISS 1/E, AES 128/256 or BCRYPT. Enter the same key at the receiver
- **Camera Control:** FocalPoint mode, UHF frequency, camera type and ID

6 Save and activate a preset

1. Go to **Settings > Presets** and click **Create New Preset**.
2. Give it a clear name (e.g. "Stadium 2.4G DVB-T 8MHz") and click **Save**.
3. Open **Status**, pick the preset under **Select Active Preset**, then check the Modulation, Encoder and Global panels.

Store up to **64 presets**. Export them as a **.cfg** file to set up a fleet of Clq units quickly.

Need help?

Our support team is ready to help. Have the model, serial number (on the label under the unit) and purchase date ready when you contact us.

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