# SAVi iQ INSTALL GUIDE

# DECODE.ONE

# Table of Contents

# 1. SAFETY INFORMATION

- Interrupting the grounding circuit could cause damage to the internal components.

- If any power adapters are broken, do not try to fix them. Disconnect them from the DECODE.One and replace them with an operational one.

- To avoid short circuits, keep paper clips, screws, and staples away from connectors, slots, sockets, and circuitry.

- Avoid dust, humidity, and temperature extremes. Do not place the DECODE.One or its components in any area where they may become wet.

- The DECODE.One should only be used in environments with ambient temperatures between 0 °C and 30 °C.

## 2. GENERAL DESCRIPTION

DECODE.One delivers next-generation video distribution to any video display, providing H.264 and H.265 decoding at up to 4K30, all over a single network cable to each display. By outputting a Canvas Video Wall with standard video content, the DECODE.One creates a unified viewing experience while eliminating the cost and complexity of a video wall design and installation.

### 2.1   Revisions

| Version | Date | Revised | Description |
|---|---|---|---|
| 1.0 | 2025-Jun-30 | BA | First release |
| | | | |

## 3. PARTS LIST

| Model Number | | | Description |
|---|---|---|---|
| SD4K-01 | 1 | x | DECODE.One |
| 320-11286-001 | 3 | x | 3-position Euroblock, 3.5 mm, black |
| 320-11287-001 | 1 | x | 5-position Euroblock, 3.5 mm, black |
| 320-11288-001 | 1 | x | 2-position Euroblock, 3.5 mm, green |
| 120-11014-001 | 1 | x | Mounting Kit with hardware |

### 3.1 Optional Accessories

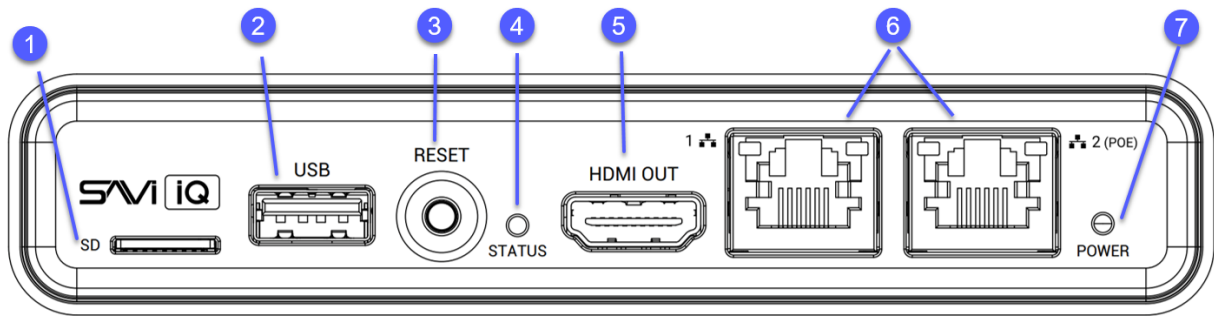| Model Number | | | Description |
|---|---|---|---|
| 001-10205-001 | 1 | x | Power adapter (includes a pre-installed 2-pin Euroblock plug that plugs into the DECODE.One power input) |

### 3.2 Tools and Materials

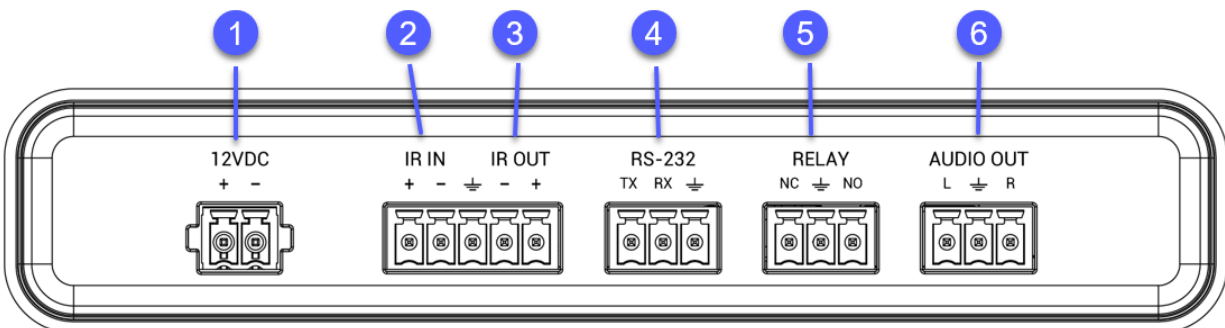| Tools |
|---|
| Phillips-head screwdriver |

# 4. PHYSICAL LAYOUT

## 4.1 Front Panel



1. SD card slot
2. USB-A port
3. Reset button
4. Status LED

5. HDMI out
6. PoE port (2)
7. Power LED (green when powered on)

## 4.2 Rear Panel



1. 12 VDC input
2. IR In
3. IR Out

4. RS-232
5. Relay
6. Audio out

# 5. GETTING STARTED

## 5.1   Requirements

- Video display with HDMI input

- 1 Gbps PoE switch (802.3af or higher), when PoE powered

- DHCP-capable or statically configured network

- SAVI Server for centralized management

- SAVI Creator for initial setup

- Web browser for configuration and monitoring

- IR emitter or Cat5 to RS-232 adapter if IR/Serial control is needed for control of the video display (optional)

- Relay output if using DECODE.One for relay control of a projector or other device (optional)

- Audio output if HDMI audio needs to be routed to a local soundbar or other audio amplifier/speaker system (optional)

# 6. STATUS LED DESCRIPTION

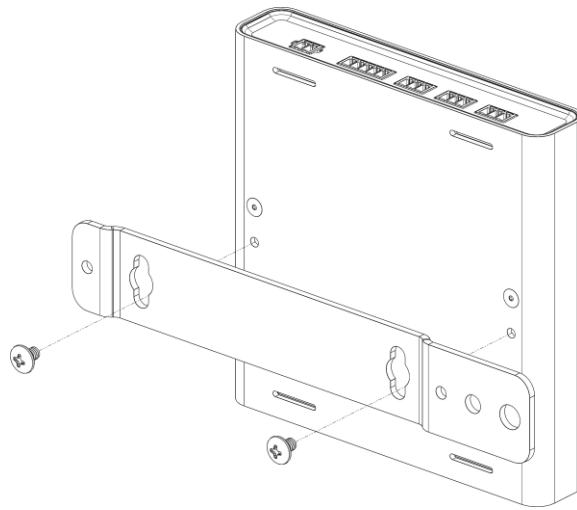| Status | Duration | Description |
|---|---|---|
| Solid blue | Continuous | The device has an IP address and is connected to a SAVI Server |
| Blinking blue | 1 sec on/off | The device has an IP address, but no SAVI Server is found |
| Blinking orange | 1 sec on/off | The device has no IP address |
| Blinking green | 0.5 sec on/off | Firmware is updating |
| Solid red | 0.5 sec on/off | Firmware update error |
| Blinking orange | 0.25 sec on/off | Factory restoration in progress |
| Blinking red | 1 sec on/off | Factory restoration error |
| Solid white | 0.25 sec on/off in response to the duration of IR being received | IR received from the IR sensor |
| Solid red | Continuous | Hardware fault (consult web UI) |
| Solid white | Continuous | Actively decoding and outputting stream |
| Blinking purple | 0.5 sec on/off | The device is in discovery mode and can be identified with the RESET button |

## 6.1　Reset Button

Press and hold the **Reset** button for 10 seconds to reset the DECODE.One to factory default settings.

# 7. INSTALLATION

Mount the DECODE.One using the provided bracket either to the wall behind the video display or directly to the video display.
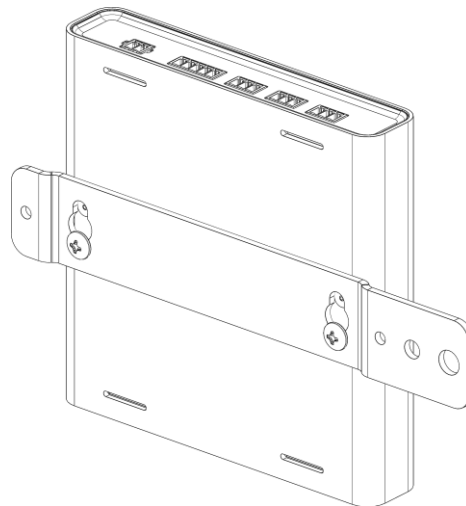
## 7.1   Fixed Mounting Options

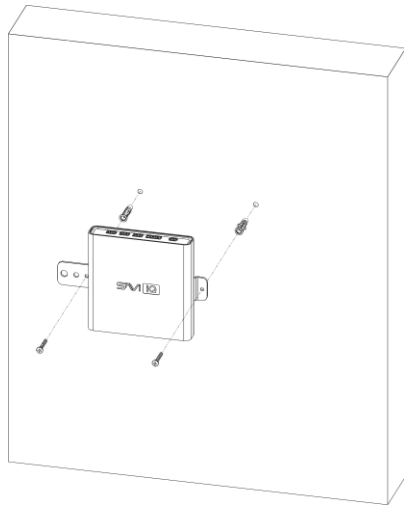1. Align the mounting bracket's holes with the screw holes on the bottom of DECODE.One.



2. Secure the mounting bracket using the included screws ensuring it does not slide up or down.
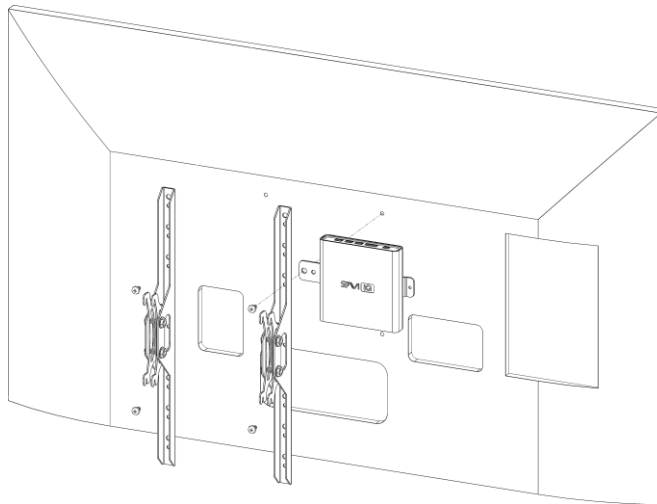
   *Note: Do not use the spacers.*

### 7.1.1   On-wall Mount

Use the included wall and anchor screws and attach the DECODE.One to the wall.
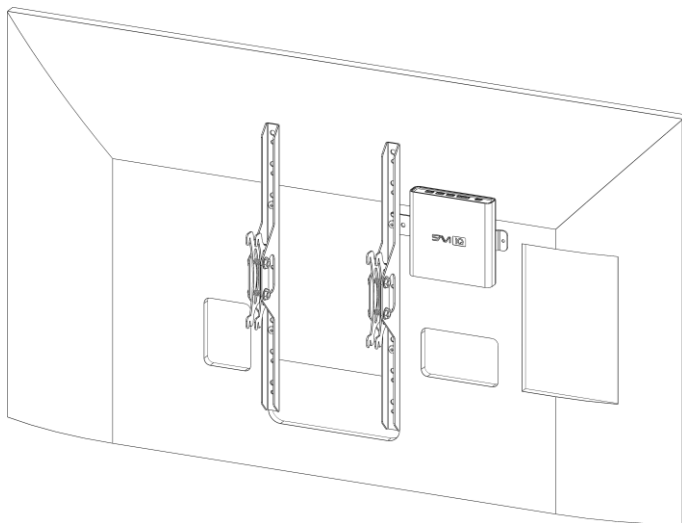


### 7.1.2   TV Vesa Bracket Mount/Display

1. Remove one of the screws attached to the VESA mount/display.
2. Align one of the mounting bracket's holes with the open hole on the VESA mount.
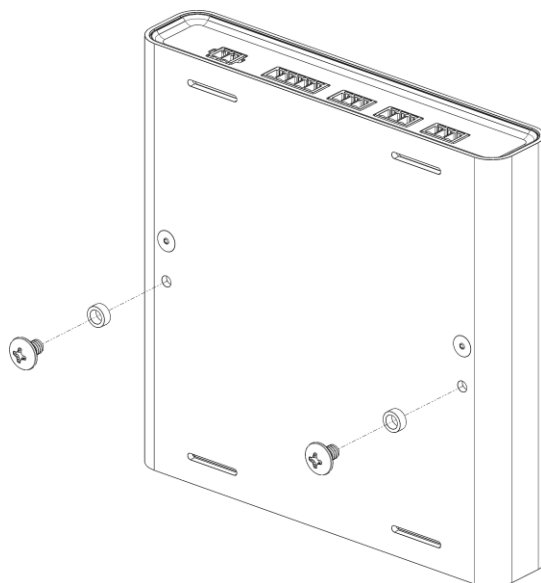3. Reattach the screw.

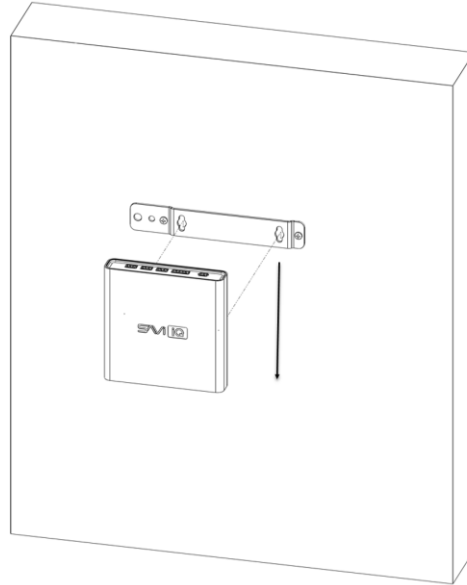4. Tighten the screw to ensure that the mounting bracket and DECODE.One does not sag after they are attached.



## 7.2  Removable Options

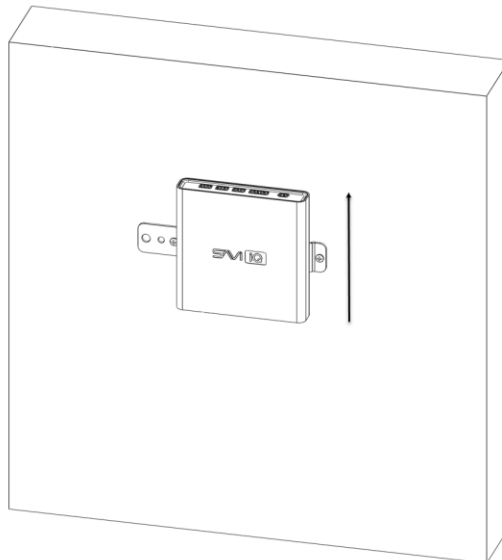Attach the included screws and spacers to DECODE.One.

## 7.2.1 On-wall Mount

1. Use the included wall and anchor screws and attach the mounting bracket to the wall.

2. Align the DECODE.One mounting screws with the key holes on the mounting bracket

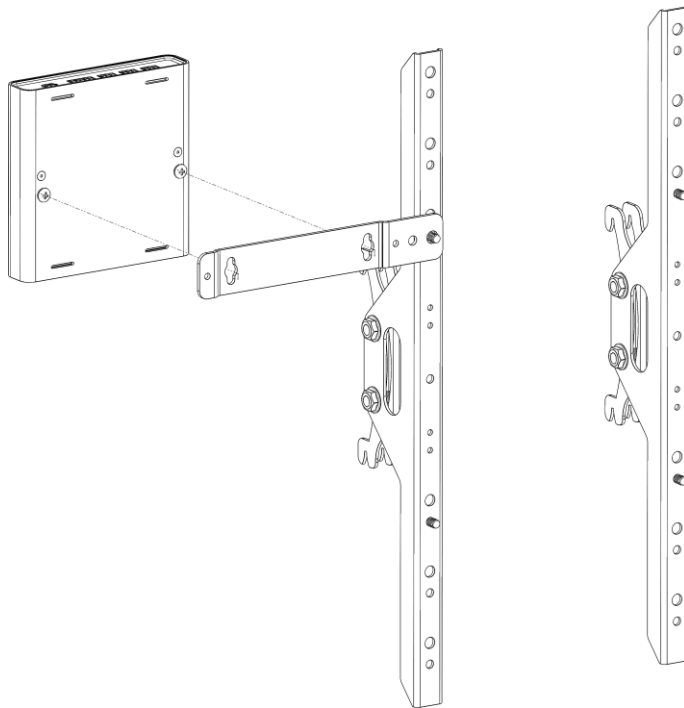3. Press in toward the wall, then slide down into the key holes to latch securely.



4. To remove the DECODE.One, slide the unit up and pull away from the mount.
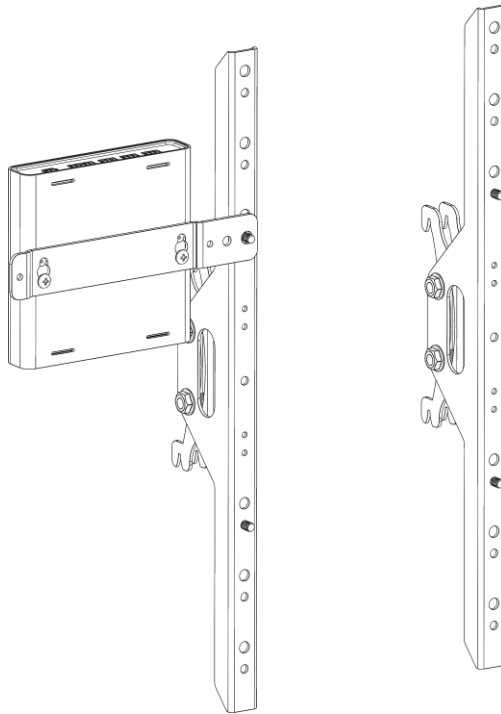
### 7.2.2 TV VESA Bracket Mount/Display

1. Remove one of the screws attached to the VESA mount/display.

2. Align one of the mounting bracket's holes with the open hole on the VESA mount.

3. Reattach the screw.

4. Tighten the screw to ensure that the mounting bracket does not sag once the DECODE.One is attached.

5. Align the DECODE.One mounting screws with the key holes on the mounting bracket.



6. Press in toward the display, then slide down into the key holes to latch securely.

7. To remove the DECODE.One, slide the unit up and pull away from the mount.



## 7.3 Connect to Power

1. Connect the HDMI cable to the display.

2. Connect the PoE Ethernet cable or 12 VDC power supply to power on the unit.

   *Note: Refer to the Status LED Description table if the status light is not displaying green.*

3. If required, connect RS-232, IR, Relay, and Audio Out connections.

Compliant with FCC, CE, RoHS, and UL directives.

Operating temp: -4°F to 122 °F (-20 to 50 °C)

Humidity: 10–90% RH (non-condensing)

3-Year Limited Hardware Warranty Support: support@saviiq.com | 214-785-6510