

RaceStreaming.com

DisplayPoint User Guide



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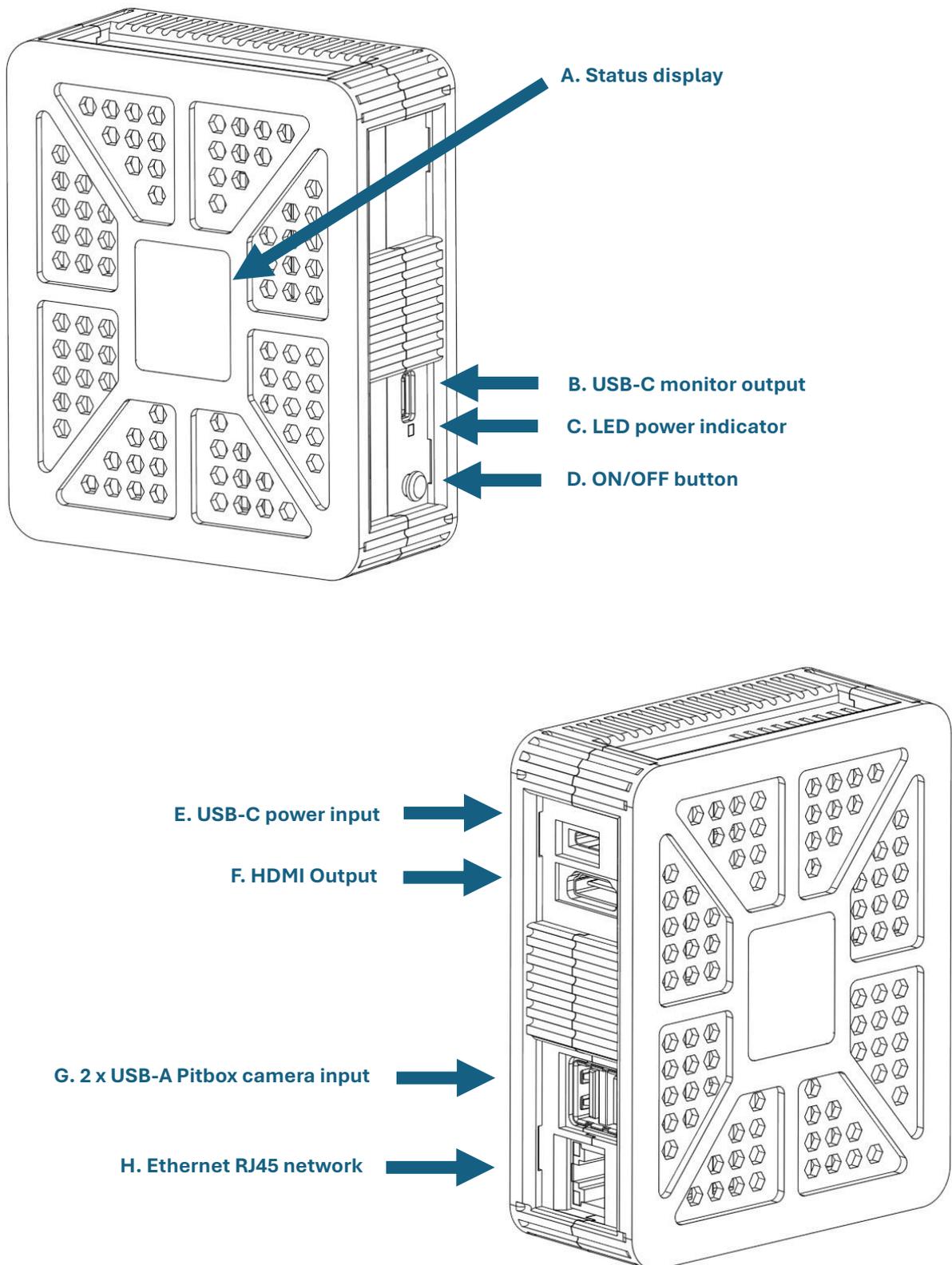


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2 Overview of the Device



- A) Status display indicates connectivity and device status
- B) USB-C for monitor output (Do not use for power)
- C) LED power indicator
- D) ON/OFF button
- E) USB-C power input (Supply power from any power device or power bank)
- F) HDMI Output for monitor connection
- G) 2 x USB-A camera input for pitbox camera connected via USB
- H) Ethernet RJ45 for optimal network connectivity

2.1 Package Contents

The RaceStreaming DisplayPoint package contains the following:

- DisplayPoint hardware device
- USB-C to USB-A cable for power



RaceStreaming
DisplayPoint



USB-C to USB-A cable

2.2 Required items, not included

- USB power source (Monitor USB, Power bank or any other USB power source)
- Available Internet connection via ethernet RJ45 or Wifi
- HDMI-HDMI cable for monitor

2.3 Key Features

The RaceStreaming DisplayPoint is a client-side hardware device, used for displaying ultra low latency streams from the RaceStreaming StreamKit on any monitor via HDMI. The device enables audiences, coaches, instructors, race-engineers and pit-crew members to follow the live video stream from the race car, with minimal latency. The RaceStreaming.com platform allows multiple DisplayPoints to be connected to the same StreamKit, allowing the live video to be displayed from multiple locations.

2.4 Pitbox or hospitality camera

From the DisplayPoint's USB-A port, a webcam or any other USB camera can be connected which will enable a pitbox-side video stream as well. This local on-site stream can be used by professional or semi-professional broadcasters.

2.5 Low Latency Playback

From a well working Internet connection the DisplayPoint will playback the live video stream with a maximum of 1 to 3 seconds latency.

2.6 Easy Setup & Compatibility

- Connect the HDMI to the monitor
- Connect the ethernet cable to the RJ45 plug.
- Power-on the device and the live stream can be started in seconds using the RaceStreaming APP.

3 Getting started

3.1 Connecting to the Internet

Connect the DisplayPoint to an Internet connection, using one of the following options:

Option A for optimal performance

Connect an ethernet cable to the RJ45 port of the DisplayPoint
or

Option B for backup connectivity

Create a wifi network using the following predefined details:

SSID: RaceStreaming

Password: displaypoint

The DisplayPoint is pre-configured to automatically connect to a wifi network named (SSID) **[RaceStreaming]** and with the password **[displaypoint]**. Please note that the displayed latency is optimized for option A, connection via ethernet cable. It's recommended only to use the wifi connectivity as a second option.

3.2 Connect the HDMI between the DisplayPoint and your monitor

3.2.1 Power on the DisplayPoint via the USB-C port located next to the HDMI port

3.3 Login to app.racestreaming.com to manage your DisplayPoint

4 Powering On/Off the device

4.1 Powering on

When power is applied via the USB-C cable, the device will automatically start.

The LED indicator will show constant **blue** for appx. 10 seconds followed by **blue and green** flashing. After appx. 20 seconds the device should be on and will automatically display the RaceStreaming branding and instructions on the monitor.

4.2 Powering off

Press the ON/OFF button to turn off the device. The display will turn off and the LED indicator change to constant **green**.

You can also unplug the USB-C power to turn off the device.

4.3 LED Indicator Status Guide

LED Indicator	Description
Blue (Constant) appx. 10 seconds followed by Blue and Green flashing	Device is starting. Allow appx. 20 secs for the device to boot and connect.
Blue and Green flashing	Device is on and running, see the device display for further information
Green (Constant)	Device is turned off
No light	Device is either off or no power is provided
Green (Constant) and Device display blinking on and off	The USB power source cannot be used. Please try another power source.

5 Hardware Specifications

DisplayPoint specifications:	
Dimensions	113 mm x 92 mm x 40 mm
Weight	230 grams
Optimal operating temperature	-15°C to 60 °C
Input power	USB-C PD version 2.0 with 9V/2A, 12V/2A, 15V/2A or 20V/2A
Video encoding	H.265 HVEC
Video input	2 x USB-A
Video Output	1080p, 30fps via multiple standards like: RTMP, SRT, HLS
Additional Video interfaces	Youtube Live, Facebook Live, Twitch, Kick, Instagram Live, Vimeo, Azure Media Services, Livepush, Rumble, and many more
Communication	Via on-site Internet connection, ethernet or wifi
Display	Built-in 1.5” LCD display
Waterproof	Not rated, please keep the device away from direct rain.

6 Contact & Support

Should you encounter any issues, please contact our support team at support@racestreaming.com for further assistance.