AV2HDMI

Analog AV to HDMI video converter
User manual



Read this manual before first use and keep it for future reference.

www.rotorama.com

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1. Product description

1.1 Intended use

AV2HDMI is a converter from an analog video signal (AV, CVBS composite video) to a digital **HDMI** signal. It allows you to connect a device with an analog AV output to a TV, monitor or projector that only has an HDMI input.

In FPV it is typically used to show the analog video feed from a drone on a large screen – for example for spectators at races, for training or for reviewing footage. The signal source is a device with an AV output, such as FPV goggles or a video receiver. The converter is powered via a **mini USB** connector, and a switch on the side selects an output resolution of **720p** or **1080p**.

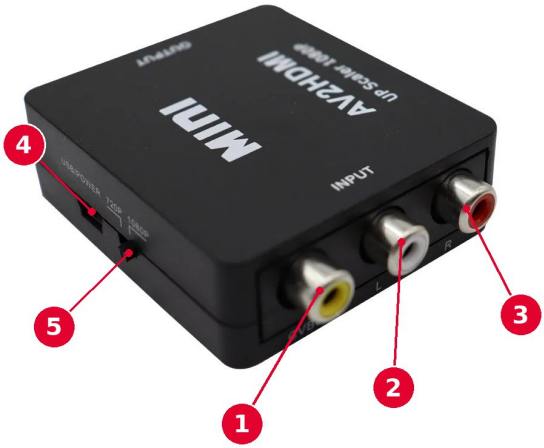


AV2HDMI converter

1.2 Specifications and package contents

Product designation	AV2HDMI (on the housing: MINI AV2HDMI, UP Scaler 1080P)
Function	AV (composite video) → HDMI conversion
Input video standards	PAL, NTSC
Inputs	3× RCA connector: CVBS (video), L and R (audio)
Output	HDMI
Output resolution	720p / 1080p, selectable by switch
Power supply	via mini USB connector (USB/POWER)
Package contents	AV2HDMI converter, USB cable
Not included	AV cable (RCA), HDMI cable, USB power adapter

1.3 Parts description



Input side and side panel with power connector and switch



HDMI output side

① **CVBS** (yellow) – composite video input
② **L** (white) – left audio channel input
③ **R** (red) – right audio channel input
④ **USB/POWER** – mini USB power connector
⑤ output resolution switch **720P / 1080P**
⑥ **HDMI** (OUTPUT) – output to a TV or monitor

2. Use

2.1 Connection

① Switch off or disconnect all devices to be connected.

② Connect the video output of the source (e.g. the AV output of FPV goggles or a video receiver) to the yellow **CVBS** input using an AV cable.

③ If the source also has an audio output, connect it to the **L** (white) and **R** (red) inputs. If the source has no audio, leave these inputs unused.

④ Connect the **HDMI** output to the HDMI input of the TV or monitor using an HDMI cable.

⑤ Using the supplied USB cable, connect the **USB/POWER** connector to a power source with a USB output – a USB power adapter, a power bank or the USB port of the TV.

⑥ Switch on the signal source and the TV, and select on the TV the HDMI input to which the converter is connected.

※ The AV outputs of FPV goggles and receivers use various connectors (e.g. a 3.5 mm jack). Obtain an adapter or a cable with RCA plugs to suit your device – they are not included.

2.2 Selecting the output resolution

Use the switch ⑤ on the side of the converter to select an output resolution of **720p** or **1080p**. If the TV or monitor does not display the picture correctly, set the switch to the other position. The converter accepts input signals in both PAL and NTSC.

2.3 FPV recommendations

- The picture on the TV is intended for spectators and for checking. For flying, always use your FPV goggles or a monitor connected directly to the video receiver.
- The output picture quality corresponds to the quality of the analog input signal. The converter cannot remove interference or dropouts in the radio video link.
- Some TVs only power their USB port when switched on – the converter will then start working only after the TV is switched on.

3. Safety, care and troubleshooting

3.1 Safety instructions and care

- The converter is intended for use in a dry indoor environment. Protect it from water, moisture, dust, direct sunlight and sources of heat.
- Do not use the converter if its housing, connectors or cables are damaged. Do not open the housing – there are no user-serviceable parts inside.
- Connect and disconnect cables without force, always holding the connector, not the cable.
- This product is not a toy. Keep it and its small accessories out of the reach of small children.
- Clean it only with a dry soft cloth, without solvents or cleaning agents.
- Use of the product is governed by the regulations of the country in which it is operated. The information on Czech regulations in Chapters 4 and 5 relates to the purchase in the Czech Republic.

3.2 Troubleshooting

Problem	Cause and solution
The TV shows no picture	Check the power supply via USB/POWER and all cables. Make sure the video is connected to the yellow CVBS input and that the correct HDMI input is selected on the TV.
The picture flickers, is cropped or does not appear	Set the resolution switch to the other position (720p / 1080p).
The picture is black and white or unstable	Check that the source outputs a PAL or NTSC signal and that the cable is properly connected to the CVBS input.
No sound	Make sure the source has an audio output and that it is connected to the L and R inputs. FPV video often contains no audio.
The picture is noisy or drops out	This is caused by the input signal – check the video reception on the FPV goggles or receiver and the antenna setup.

4. Information for the EU and Czech Market

4.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

4.2 Disposal of electrical equipment



- The crossed-out wheeled bin symbol on the product, its packaging or in the documentation means that at the end of its service life the product **must not be disposed of together with mixed municipal waste**.
- Hand it over at a take-back point for electrical equipment – at a collection yard, at a take-back point of a collective system, or at the retailer when purchasing a new equivalent product. Take-back is free of charge for the end user.
- The obligations under Act No. 542/2020 Coll., on end-of-life products, are fulfilled by the importer through a collective take-back system.
- Proper disposal helps prevent negative impacts on the environment and human health and contributes to the reuse of secondary raw materials.

Through its contractual partner **ASEKOL a.s.**, the company ensures the take-back of waste electrical equipment from households and the separate collection of waste electrical equipment, batteries and accumulators in accordance with the applicable legislation. The customer is entitled to hand over old electrical equipment or a battery or accumulator at any collection point of the above contractual partner. The addresses of these take-back points are listed at www.asekol.cz, www.ecobat.cz and also https://visoh2.mzp.cz/RegistrMistZO/RegistrMistZOPublic/MapaMistZpetOdberu.

5. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 4.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.