Avatar Pro – lens

Replacement lens for Walksnail Avatar HD Pro and Caddx Polar cameras
User manual



Disconnect the camera's power supply before replacing the lens. Do not touch the optical surfaces with your fingers.

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1. Product description

1.1 Intended use

The replacement lens is designed for the **Walksnail Avatar HD Pro** digital FPV camera and the **Caddx Polar** camera. It is used to replace a scratched, cracked or otherwise damaged lens, typically after a crash. The camera regains a clean, sharp image without the need to buy a whole new camera.

The manufacturer CaddxFPV / Walksnail lists the lens under the part number **C0PJ-TSZ07** as a spare part for the Caddx Polar camera and, under the name “Moonlight/Pro/GT2 Camera Lens”, for Walksnail cameras. The lens screws into the camera body; it must be focused after every replacement.



Walksnail Avatar HD Pro camera with the lens fitted (manufacturer's illustrative photo; the camera is not included)

1.2 Specifications and package contents

Product type	Replacement lens for an FPV camera
Manufacturer / brand	CaddxFPV / Walksnail
Manufacturer part number	C0PJ-TSZ07
Compatible cameras	Walksnail Avatar HD Pro, Caddx Polar; the manufacturer also lists the Walksnail Moonlight and GT2 cameras
Package contents	1× lens
Not included	camera, tools, thread-locking adhesive

2. Replacing the lens

2.1 Before you start

- Disconnect the drone battery or any other power supply to the camera. Never replace the lens with the camera switched on.
- Work in a clean, dust-free environment. Once the lens is unscrewed, the camera's image sensor is unprotected – dust or a fingerprint on the sensor will show up in the image.
- Have FPV goggles or another device with a live image from the camera ready – you will need it for focusing.
- Do not touch the optical surfaces of the new lens with your fingers.



Rear side of the lens with the thread – protect the optical surface from touch and dust

2.2 Replacement procedure

① If the existing lens is secured with a lock ring or adhesive, carefully release it first.

② Unscrew the old lens by turning it anticlockwise. Do not use excessive force or pliers directly on the optics; do not press on the camera body.

③ Check that no glass fragments or dust remain on the sensor. Remove any dirt by blowing it off with a hand air blower; do not touch the sensor.

④ Remove any protective caps from the new lens.

⑤ Insert the new lens straight into the thread and screw it in clockwise. If it is stiff, unscrew it and insert it again – the thread must not be cross-threaded.

2.3 Focusing

① Connect the power, switch the camera on and watch the live image in the goggles.

② Point the camera at a high-contrast object a few metres away (e.g. text or the edges of a building).

③ Turn the lens in small steps until the image is at its sharpest. Focus on distant objects – the way you will use the camera in flight.

④ Secure the lens position with the lock ring, if available, or with a small amount of suitable adhesive on the edge of the thread.

Do not use superglue (cyanoacrylate) – its fumes can permanently fog the lens optics and the sensor.

2.4 Care and storage

- Clean the front surface of the lens only with a dry microfibre cloth or a product intended for cleaning optics. Do not use solvents.
- Store the spare lens in its original packaging, in a dry and dust-free place.
- The product contains small parts – keep it out of the reach of children.

3. Information for the EU and Czech Market

The information in this chapter and in Chapter 4 describes the situation in the Czech Republic. If you use the product in another country, the law of the country in which the product is used is decisive.

3.1 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

3.2 Disposal

- The lens is not electrical equipment and contains no battery; take-back of electrical equipment does not apply to it.
- Dispose of the worn-out lens in accordance with local waste management rules.
- Sort the packaging by material (paper, plastic).

4. 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 3.1.
- 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.