

Application Notes N°PR240401 ZED-X Cleaning

Summary	ZED-X camera cleaning recommendations
Version	v1.0

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1. Introduction

This document lists the recommendations made by the production team for camera cleaning, especially on the cover glass.

This document contains the list of materials used or tested to clean the camera when used in specific conditions.

2. Material List

2.1. Connector - Air Cleaning

Air cleaning can be used on any part of the camera, but is mostly used for the FAKRA connector at the back of the camera to remove dust or small particles that can interfere with the video signal.

This is especially useful if the camera has not been connected or disconnected to a cable for a long time.

List of validated materials :

Designation	Supplier	Reference	Link	Used (SL)	Tested (SL)
RS Pro Air duster	RadioSpare	#168-1646	RS PRO Invertible Air Duster, 200 ml RS	YES	YES
OD Brand Cleaner	Office Depot	#OD15210/6-284	Office Depot Brand Cleaning Duster 10 Oz Pack Of 6 Cans - ODP Business Solutions	YES	YES
ATEL Compressed Air cleaner	ATEL	#03302	Compressed air non-flammable - dust remover, 200 ml	NO	YES

List of forbidden materials :

- WD40 cleaner.
- Any cleaner that can be flammable as they might contain other non-specified components, unless in the above list.

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2.1. Cover Glass - materials

Cover glass is usually cleaned with microfiber wipes and lens cleaner solution.

List of validated materials :

Designation	Supplier	Reference	Link	Used (SL)	Tested (SL)
Zeiss MicroFiber Lens cleaner	Zeiss	000000-1359-469	ZEISS microfiber cloth 20 x 20 mm - Cleaning	YES	YES
K&F Concept microfiber cloth	K&F concept	SKU.1597	K&F Concept Microfiber Cleaning Cloths for Electronics, Individually Wrapped Glasses Cleaning Cloth for Eyeglasses, Lenses, Cameras, iPad, Screens & More (3 Pack)	YES	YES

Designation	Supplier	Reference	Link	Used (SL)	Tested (SL)
Purosol Lens solution	Purosol	N-A	https://purosol.com/products/purosol-lens-cleaner	YES	YES
Zeiss Cleaning Spray	Zeiss	000000-2390-368	ZEISS cleaning spray	YES	YES

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List of forbidden materials :

Any material than can scratch the surface (Avoid non-microfiber)

Any cleaning solution that contains harmful solvents, alcohol, ammonia, acids, silicone, detergents,

Note :

The ZED-X supports water cleaning when pressure is below 150PSI or 100L/Min flow , during a cleaning time \leq 1 minute.

(IPx6 certification)