

Risk Assessment – LifThor Video Capture Card

Prepared in accordance with Regulation (EU) 2023/988 – General Product Safety Regulation (GPSR)

1. Manufacturer Information

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2. Product Covered

Product: LifThor Video Capture Card
SKU: CTHDTC
This is a digital HDMI-to-USB Type-C converter for use with tablets and drones, used to feed real-time video signal from a drone remote controller to a compatible smart device.

3. Intended Use

To enable external video feed transfer from a drone controller with HDMI output to a compatible tablet or monitor with USB Type-C input. Intended for use in both indoor and outdoor settings under normal environmental conditions.

4. Hazard Identification

- Electrical Risk: Low – operates under USB 5V with internal protection circuitry.
- Fire Risk: Low – tested for EMC and heat tolerance; constructed with compliant components.
- Overheating: Minimal, tested and approved under expected operating temperature range.
- Electromagnetic Interference (EMI): Low – tested under EN 55032/55035 standards.
- Mechanical Risk: None – fully enclosed unit with no exposed or sharp elements.
- Chemical Risk: Low – RoHS-compliant materials used (free from lead, mercury, cadmium, etc.).

5. Risk Evaluation and Control Measures

- EMC and CE testing completed and passed under EU norms.
- All materials comply with RoHS requirements.
- Integrated internal protection against power surges or overheating.
- OEM inspection and batch testing conducted prior to export.
- Physical size and enclosed design reduce risk of misuse.

6. Conclusion

The LifThor Video Capture Card is considered safe for its intended use and does not pose significant risk under normal or foreseeable misuse. The product conforms with the applicable provisions of EU Regulation 2023/988 and related directives.

Prepared by:



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