

EU Declaration of Conformity

VR-EU-DOC-001 | Revision 2.0 | 10 October 2026

1. Radio equipment: Vulcan Radar / Vulcan Desktop Radar, model VR-100. Individually identified by serial number on the product label.
2. Manufacturer: South West Design Studio Ltd (trading as Vulcan Radar), 24 Trenant Gardens, Wadebridge, Cornwall, PL27 6GG, United Kingdom. Email: support@vulcan-radar.com.
3. This declaration of conformity is issued under the sole responsibility of South West Design Studio Ltd.
4. Object of the declaration: 5 V DC USB-C-powered desktop aircraft information display incorporating a five-inch touchscreen and 2.4 GHz Wi-Fi connectivity, rotary range control and illuminated power/sleep switch. The equipment incorporates the Elecrow CrowPanel Advanced P4 assembly with retained original electronic module and housing, within a 3D-printed outer enclosure. It obtains aircraft information over the internet and does not directly receive aviation radio signals.
5. The object of the declaration described above is declared to be in conformity with the relevant Union harmonisation legislation:
 - Directive 2014/53/EU — Radio Equipment Directive (RED), including applicable Article 3(3)(d) and (e) requirements.
 - Directive 2011/65/EU — Restriction of Hazardous Substances (RoHS), as amended by Commission Delegated Directive (EU) 2015/863.
6. Standards and technical specifications applied in the conformity assessment:

Radio spectrum	ETSI EN 300 328 V2.2.2 (2019-07)
Electromagnetic compatibility	ETSI EN 301 489-1 V2.2.3 (2019-11); ETSI EN 301 489-17 V3.3.1 (2024-09)
Electrical safety	EN IEC 62368-1:2024+A11:2024
RF exposure	EN IEC 62311:2020; EN 50665:2017
Cybersecurity and privacy	EN 18031-1:2024; EN 18031-2:2024 (subject to the applicable harmonisation restrictions and the manufacturer's documented assessment)
RoHS technical documentation	EN IEC 63000:2018

7. Notified body: Not applicable to the manufacturer's stated Article 17(2) / Annex II internal production control procedure. No notified body is claimed to have assessed the completed Vulcan Radar.

8. Additional information

Assessed configuration: Elecrow CrowPanel Advanced P4 5-inch assembly with original housing and Wi-Fi antenna retained; added low-voltage rotary and power/sleep controls; 3D-printed Bambu PLA Matte external enclosure; external Ecopac ECM-24-05TC 5 V DC USB-C power adapter; production firmware implementing Secure Boot v2, flash and NVS encryption, and authenticated signed software updates.

The manufacturer retains technical documentation supporting this declaration, including supplier test reports, construction and wiring details, product safety risk assessment, cybersecurity assessment and production controls.

Signed for and on behalf of South West Design Studio Ltd

Name: Kevin Dunstan

Position: Director

Place of issue: Wadebridge, Cornwall, United Kingdom

Date: 10/10/2026

Signature:

A handwritten signature in black ink, appearing to be 'K. Dunstan', written in a cursive style.