VULCAN RADAR

EU Declaration of Conformity

VR-EU-DOC-001 | Revision 3.0 | 9 November 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 Article 3(3)(d) and (e).
- 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
RoHS technical documentation	EN IEC 63000:2018

7. Conformity assessment: internal production control by the manufacturer, Annex II to Directive 2014/53/EU.

8. Additional information

Assessed production configuration: Elecrow CrowPanel Advanced P4 5-inch assembly with its original housing and Wi-Fi antenna; low-voltage rotary control and illuminated power/sleep switch; Bambu PLA Matte enclosure; Ecopac ECM-24-05TC 5 V DC USB-C power adapter; firmware 1.3.24, SHA-256 48f67b0b84e51173d73dbb87e09daa725f6d0ee5f310b72429bd0d39ca1c974b, delivered by customer update. The Wi-Fi password is encrypted with a key bound to the device and is kept for use while the radar is switched on. Software updates are signed, checked, and installed when the user accepts them.

The manufacturer holds the technical documentation for this declaration: the CrowPanel test reports, the enclosure material statements, the power-adapter documents, the construction and wiring record, the safety assessment, the cybersecurity assessment and the production records.

Signed for and on behalf of South West Design Studio Ltd

Name: Kevin Dunstan

Position: Director

Place of issue: Wadebridge, Cornwall, United Kingdom

Date of signature: 09/11/2026

Signature: