

Technical Specifications

ELECTRICAL

Input voltage	12-32VDC
Power supply current	~1A @ 28VDC
ICS to DZM audio input levels	20mVrms to 1.15Vrms, adjustable
	775Vrms nominal
Input impedance	600Ω
Microphone bias voltage	12V via 2.2kΩ
DZM to ICS audio output levels	Up to 5Vrms, adjustable
	775mVrms nominal
Output impedance	150Ω
Backlighting control	0-32VDC
Backlight colour	Green 520nm
GPS antenna bias voltage	5V
Antenna current	Up to 100mA
Sensitivity	-162dBm (with Flightcell Antenna)
Time to first fix	26s

DIMENSIONS

Faceplate width	146mm	5.75"
Body width	126mm	4.96"
Faceplate height	57mm	2.24"
Body height	54mm	2.13"
Depth (front to rear faces)	110mm	4.33"

DZUS mount	GA mount
146mm	158mm
5.75"	6.22"
126mm	126mm
4.96"	4.96"
60mm	60mm
2.36"	2.36"
54mm	54mm
2.13"	2.13"
110mm	110mm
4.33"	4.33"

WEIGHT

580 – 720g	1.21 – 1.59 lbs
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Depending on configuration

DATA INTERFACES

Interface	Description
RS232	3-wire serial port
RS-485/422	4-wire serial port
USB-via D25 or D38999	DZMx is USB host
10/100 ethernet	Ethernet port
General purpose inputs	5 (optional expansion to 12)
General purpose outputs	2 outputs
Optional Arinc	2 Receive ports and 1 Transmit port
Wi-Fi	
Bluetooth	

MATERIALS

Aluminium 6061

CONNECTORS

Mounting fasteners	DZUS or M5
Main connector	1x D25 male plus 1x D25 female, or
Antenna connectors	1st and 2nd transceiver – TNC
	3rd transceiver (if installed) – SMA

DO-160G CERTIFICATION

Env. Cat. [(A1)(B1)(F1)]XAB[UG]HXXXXXXAZ[AC][SS]MXXXXXXAX

ENVIRONMENTAL

Operating temperature	Built to IP54 (civilian versions)	IP55 (military versions)
	-40°C to 55°C	-40°F to 131°F

Note: Product specifications are correct as of November 2025. Refer to the Flightcell DZMx installation manual and Declaration of Design and Performance for all technical specifications <https://www.flightcell.com/support/documentation/dzmx>