

# 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

## MATERIALS

Aluminium 6061

## CONNECTORS

Mounting fasteners	DZUS or M5	
Main connector	1x D25 male plus 1x D25 female, or	1x D38999 male (military versions)
Antenna connectors	1st and 2nd transceiver – TNC	1x GPS – BNC
	3rd transceiver (if installed) – SMA	

User calibrated high/low set-points  
Designed for NVIS compliance

## DIMENSIONS

	DZUS mount		GA mount	
Faceplate width	146mm	5.75"	158mm	6.22"
Body width	126mm	4.96"	126mm	4.96"
Faceplate height	57mm	2.24"	60mm	2.36"
Body height	54mm	2.13"	54mm	2.13"
Depth (front to rear faces)	110mm	4.33"	110mm	4.33"

## WEIGHT

580 – 720g	1.21 – 1.59 lbs	Depending on configuration
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## 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	

## DO-160G CERTIFICATION

Env. Cat. [(A1)(B1)(F1)]XAB[UG]HXXXXZZAZ[AC][SS]MXXXXXXXXXX

## ENVIRONMENTAL

	Built to IP54 (civilian versions)	IP55 (military versions)
Operating temperature	-20°C to 55°C	-4°F to 131°F

Note: Product specifications are correct as of March 2026. Refer to the Flightcell DZMx installation manual and Declaration of Design and Performance for all technical specifications <https://www.flightcell.com/support/documentation/dzmx>