

DZMx Specifications

ELECTRICAL

Input voltage	12 – 32VDC	
Power supply current	~1A @ 28VDC	
ICS to DZM audio input levels	20mVrms to 1.15Vrms, adjustable	
	775mVrms 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	User calibrated high/low set-points
Backlight colour	Green 520nm	Designed for NVIS compliance.
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	1 x GPS - BNC
	3rd transceiver (if installed) – SMA	

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

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 (3x digital, 2x analogue)
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]HXXXXXZZAZ[AC][SS]MXXXXXXAX

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

Note: Product specifications are correct as at September 2024. Specifications are subject to change without notice.