

Flightcell 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	
	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

DO-160G CERTIFICATION

Env. Cat [(A1)(B1)(F1)]XAB[UG]HXXXXZZAX[AC]XXXXXXXXXXXX

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 January 2022. Specifications are subject to change without notice.

ABOUT FLIGHTCELL

Setting quality standards since 2000, Flightcell is a leader in the global aviation communications systems and hardware industry, leveraging strong strategic relationships with aircraft manufacturers, industry partners and government.

Flightcell's trusted products are highly configurable for operational requirements, with a focus on providing solutions to rotorcraft and turbo prop fixed wing aircraft that specialise in aerial firefighting, air medical, search and rescue, law enforcement and military.

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