

Technical Specifications

Transmitter Box

ELECTRICAL		
DC Power Source	+12V - +32VDC (28 nominal) Up to 1.5A @28VDC	
ICS to DZM audio input levels	20mVrms to 1.15Vrms, adjustable 775mVrmsto 1.15RMS 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	
GPS antenna bias voltage	5V	
Antenna current	Up to 100mA	
Sensitivity	-162dBm (with Flightcell Antenna)	
Time to first fix	26s	
INTERFACES		
10/100 ethernet	Main connector	D-SUB 62 HD male, Ethernet, USB
USB2.0	Mating connector	M24308/2-14F
RS-485, RS-232, Analog audio (2)		
GPI (5), GPO (2)		
Wi-Fi		
Bluetooth		
Optional extras: GPI(7), ARINC 429		
DIMENSIONS		
LxWxH	240 x 58 x 188 mm	9.45 x 2.17 x 7.40"
Weight (depending on configuration)	16 Kg	35lbs
ENVIRONMENTAL		
Ambient operating temperature	-20C to +55C	-4F to 131F
DO160G Env. Cat.	[(A1)(B1)(F1) BAB[UG]HXXXXZZAZ[AC][SS]MXXXXXXAX	

Controller

ELECTRICAL		
DC Power Supply	+12V - +32VDC (28 nominal)	Average current: 0.278A @ 28VDC
Display	2.4" 240 x 320 RGB TFT Graphics IPS LCD	
Backlighting		
Input Dimming Control	0 to 28 VDC (Scaled from 0-100%)	Based on DC input voltage
Color	Dual mode: 65K-Colours (Daylight/Night)	NVIS A or NVIS B (Night operation)
DIMENSIONS		
Part Description	DZUS Mounted	
Faceplate width	146.00mm	5.74"
Extrusion width	125.80mm	4.95"
Faceplate height	57.20mm	2.25"
Extrusion height	54.10mm	2.13"
Depth (from front face to rear face)	47.20mm	1.86"
WEIGHT		
400g	0.9 lbs	
DATA INTERFACES		
Interface	Description	
Ethernet	10/100 BASE T ports	
Keypad	16 keys (4 x 4 matrix)	
2 x General Purpose Inputs	Input Levels (Vin)	0 to 28VDC with over/under voltage – protection to +/- 32VDC
2 x General Purpose Outputs	Levels (Vout)	0 to 32VDC
	Max current (Iout)	500mA
CONNECTORS		
D38999	D38999/24WD35PN	Mating Connector: D38999/26WD35SN
ENVIRONMENTAL		
Ambient operating temperature	-20C to +55C	-4F to 131F
D0160G Env. Cat.	[(A1)(B1)(F1)BxB[UG]HXXXXZZAZ[AC][SS]MXXXXXXAX	

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