

# MAD80

## 80km Data Link with Tracking Antenna

80km long distance data link, featuring high integration, stable performance, and high reliability.

# MMD80

## 80km Data Link with Anti-Interference Module

80km long-distance data link, capable of controlling wireless silence, multi-link radio communication, and timed radio communication. Integrated with various anti-interference methods.



## Parameters

### Features

- Dual-axis auto-tracking gimbal: Accurately tracks drone's direction and position in real-time.
- High-gain directional antenna: Enhances wireless signal reception on ground unit.
- Advanced RF technology: Offers strong anti-interference and automatic encryption.
- Modular, high-integration design: Ensures convenient, efficient usage.

### Video

View Quality	1080p / 60fps
Codec	H.265 / H.264
Video Bit Rate	500 KB/s~5 MB/s
Video Latency	≤ 200ms
Data Latency	≤ 30ms

### Interface

Antenna	Airborne Unit: 2*SMA / Ground Unit: N-type female
Power	Airborne Unit: 1*T30 / Ground-based Unit: 1*T60
Serial	Airborne Unit: 1*RS232, 1*TTL Ground Unit: 2*RS232
SBUS	2*SBUS
Ethernet	Airborne Unit: 1*4Pin / Ground Unit: 1*RJ45

### Environment

IP Protection Rating	IP54
Operating Temperature	-40~ 70°C

### General

Dimensions	Airborne Unit: 100*63*22 mm Ground Unit: 450*390*175 mm
Weight	Airborne Unit: 140.8 g Ground Unit: 5000 g

### Wireless

Channel Bandwidth	5 MHz、10 MHz、20 MHz
Modulation Mode	OFDM
Transmission Power	33 dBm
Sensitivity	≤ -89dBm
Max. Transmission Distance	80 km
Max. Download Speed	30 MB/s

### Airborne Antenna

Antenna Interface	SMA
Polarization Type	Vertical polarization
Antenna Gain	2.5dBi
Antenna Standing Wave Ratio	≤2.0

### Ground Antenna

Antenna Interface	N-type female
Polarization Type	Vertical polarization
Antenna Gain	16dBi+4dBi
Antenna Standing Wave Ratio	≤ 2.0
Pitch Angle	360°
Horizontal Angle	-15~135°
Max. Speed	60°/s

### Power

Airborne Unit	≤ 7W
Ground Unit	≤ 30W

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