



DIB-R5 outdoor TETRA base station

- Small-size Light-weight Low-consumption
- Web-based management



INDUSTRY & KEY POINTS

Industry

DIB-R5 outdoor is a base station suitable for outdoor operation under harsh conditions and can be flexibly mounted providing radio coverage exactly where it is needed, such as public safety , emergency rescue , mine, and railway scenarios.



Key Features

- High TX power: 20W
- Low consumption: $\leq 75W$ @ 20W TOC
- Small Size: 423(H)X265(W)X167(D) mm
- Light-weight: $\leq 9.1kg$
- Operation temperature: $-30^{\circ}C$ to $60^{\circ}C$
- One-Box-Solution
- IP65
- Multiple redundancy: controller redundancy, carrier redundancy, link redundancy.

HIGHLIGHTS



Low power consumption

Very low power consumption and passive cooling – ideal for areas where power supply is critical or battery-based, portable base station solutions are demanded.



Space-saving design

Compact & space-saving design – the DIB-R5 outdoor can be mounted on walls, antenna masts or tunnels.



Low operating costs

Low power consumption and remote base station maintenance reduce operating costs.



Design for restrict environment

Prepared for harsh environments with IP65 protection class and a temperature range from -30 to $+60^{\circ}C$.



High Reliable

Multiple redundancy guarantee no single-point-of-failure, keep the coverage reliable.



SPECIFICATION

Frequency Range	RX:380~390Mhz, 410~420Mhz; TX:390~400Mhz, 420~430MHz RX/TX:450~470Mhz; RX:806~825Mhz; TX:851~870 MHz
Tx power (TOC)	43 dBm
Power supply	48 VDC
Max. number of carrier	2 carriers
Reception	2 Diversity
Sensitivity	Static: -120 dBm (BER 4 %)
	Dynamic: -112dBm(TU50[TCH 7.2,BER 4 %])
Synchronization	GNSS (GPS, BeiDou, GLONASS, PTP)
Size(W*H*D)	250mm * 426mm * 167mm (incl.mast mounting socket)
	250mm * 426mm * 135mm (incl.wall mounting socket)
Weight	≤9.1kg
Power consumption	<55W @ 10W Tx ToC <75W @ 20W Tx ToC
Operation temperature	-30°C~+60°C
Degree of protection	IP65



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