ZXSDR BS8700

DMR Base Station

Based on Caltta's advanced SDR platform, DMR ZXSDR BS8700 implements the distributed architecture that separates the baseband from the radio frequency (RF).

ZXSDR BS8700 consists of ZXSDR B8200 and ZXSDR R8881 and compatible with both digital and analog trunking.

BBU: ZXSDR B8200

- SDR Architecture
- Highly Integrated, Supports 16 Carriers Simultaneously
- Quick Deployment,more than 30% Construction Time-Saving
- Highly Reliable & Redundancy Design

Capability	16 Carriers
Size (H × W × D)	88.4 mm × 482.6 mm × 197 mm
Weight	≤ 7.5 kg
Power Consumption	≤135W
Power Supply	- 48 V DC / 220 V AC
Synchronization	GPS / BeiDou
Operating temperature	- 15 °C ~ + 50 °C
Operating humidity	5 % ~ 95 %
Dust and Water Intrusion	IP20
Emission and immunity	ETSI EN 300 386 / ETSI TS 125 113

RRU: **ZXSDR R8881**

- Efficient Amplifier, Natural Heat Dissipation, 80% Power Saving
- Outdoor Deployment, Minimum Feeder Loss, Maximum Coverage Radius
- Adapts Multi-carrier Technology, Cost-effective
- IP65 standard construction

Frequency	400 ~ 470MHz
Channel Spacing	12.5 kHz
Size (H × W × D)	370 mm × 320 mm × 215 mm
Weight	≤ 20 kg
Working Mode	DMR / MPT Trunking , DMR / MPT Conventional / Simulcasting
Power Supply	-48 V DC
Operating Temperature	-40°C ~ +55°C
Operating Humidity	5 % ~ 98 %
Modulation Mode	4 FSK
Digital Sensitivity	-125 dBm (BER 5%)
Diversity Mode	2 diversities / 4 diversities
Output RF Power	≤ 47 dBm

Caltta

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