



**W-PD60**

**W-PD66**

# W-PD60/W-PD66

## 4G Dual-mode Radio with HD Camera

The W-PD60 W-PD66 offers a comprehensive upgrade in communication performance. Featuring DMR and PTTtoC convergence, front and rear HD cameras, and integrated broadband-narrowband and audio-video capabilities, it adapts seamlessly to multiple scenarios, delivering professional-grade reliability and efficiency for industry users.

## HIGHLIGHTS

### ❖ Friendly & Easy to Operation

- Equipped with 2.4-inch color HD screen incorporates translucent display technology which allows to provide excellent readability even in bright sunlight.
- The 5 short keys on the radio facilitate fast implementation of required functions, thus improving communication efficiency.

### ❖ Rugged & Reliable

- W-PD60 W-PD66 is built rugged that certified with IP68 rating and MIL-STD-810G standard to withstand water, dust, shock, extreme temperatures, etc. The unwavering physical durability is what ensures it can continue to perform as expected even in the harshest environmental conditions.

### ❖ All-in-one Device

- Combines 4G PTTtoC, DMR Tier II & Tier III, Analog into a single device. No need to carry multiple separate handsets for accessing voice, video, data, and etc..
- W-PD60 W-PD66 series supports various call types, such as individual call, group call, all call, emergency call and etc..

### ❖ Visual Dispatching

- Built-in dual HD cameras with 5M front and 13M rear, user can capture on-site pictures and videos and send them to another radio or command center in real-time.

### ❖ Network Smoother Handoff

- Dual SIM design with automatic network detection and seamless handover, intelligently switching between DMR and PTTtoC networks to ensure users enjoy smooth, reliable, and uninterrupted communication anywhere.

### ❖ Multiple Alarm Modes

- Multiple alarm modes are built into radio to help keep personnel safe. Users can count on immediate SOS alerts being sent out to supervisors and/or dispatchers when alarm conditions are met.

### ❖ Precise Positioning

- Supports GPS and BDS for precise outdoor positioning, worked with the dispatch system for real-time location queries and personnel tracking.
- Optional RTK high-precision positioning is available to help users achieve centimeter-level personnel positioning.

# PRODUCT OVERVIEW



## TECHNICAL PARAMETERS

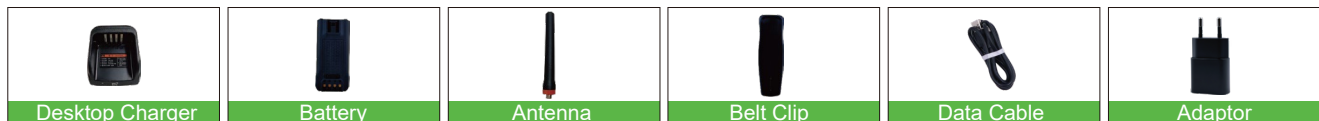
Wireless Data Communication	
DMR/Analog	350-400MHz; 400-470MHz
LTE FDD	B1/B3/B5/B7/B8/B20/B28
LTE TDD	B38/B40/B41
WCDMA	B1/B5/B8
GSM	B3/B8
WLAN	2.4G
NFC	Support
BT	4.1
Positioning	GPS, BDS

General	
Dimensions (H x W x D)	138.5*56.5*33mm
Display	2.4-inch
Weight	386g (With battery and antenna)
Channel Capacity	1024
Battery	2400mAh
Operating Voltage	7.6V(Rated)
Channel Spacing	Analog: 12.5kHz/25kHz; DMR: 12.5KHz
Speech Coder	AMBE++; NVOC
Frequency Stability	±0.5ppm
Operating Temperature	-20°C~+60°C
Storage Temperature	-40°C~+85°C
Dust and Water-Proof	IP68

Receiver	
Sensitivity	Analog: 0.18μV (12dB SINAD); 0.16μV (typical value) (12dB SINAD) Digital: 0.18μV/BER5%
Intermodulation	≥65dB@12.5/20/25kHz
Adjacent Channel Selectivity	Analog: ≥60dB@12.5kHz, 70dB@20/25kHz Digital: ≥60dB
Choke	≥90dB@±1MHz; ≥100dB@±10MHz
Rated Audio Power	0.5W
Rated Audio Distortion	≤3%
SNR	≥40dB@ 12.5kHz; ≥45dB@25kHz
Audio Frequency Response	6dB/oct (+1~-3dB)

Transmitter	
Power	1W~4W
4FSK Digital Modulation	12.5kHz (data only): 7K60FXD 12.5kHz (data+voice): 7K60FXE
FM Modulation Mode	12.5kHz: 11K0F3E, 25kHz: 16K0F3E
Modulation Limiting	±2.5kHz@12.5kHz; ±5kHz@25kHz
Audio Distortion	≤3%
Modulating Characteristic	6dB/oct (+1~-3dB)

## STANDARD ACCESSORIES



## APPLICATION SCENARIOS

