



**FD-6705BW**

## Tactical Body-Worn IP MESH Radio

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Teams equipped with the FD-6705BW will stay connected and share critical information as assignments unfold, which enables each members see, hear, and coordinate their team.

FD-6705BW broadband wireless MANET Mesh Transceiver in a rugged body worn form, which is designed to quickly establish a reliable network when communications infrastructure does not exist or is not reliable and lives are on the line.

FD-6705BW comes with PTT headsets, helmet cameras, WIFI, 4G and GPS. Standard IP and RS232 interface are also available. The FD-6705BW supports a variety of different camera interfaces including HDMI and IP.

With a wide range of video, data and audio connectivity, It provides wider communication coverage to ensure stable connectivity for public safety, major events, emergency response, field operation, and more.

### ❖ **Cross Platform Connectivity**

FD-6705BW can connect with all present IWAVE's MESH models, which allows the end users on land to automatically mesh with manned and unmanned vehicles, UAVs, maritime assets and infrastructure nodes to create a robust connectivity.

### ❖ **Real Time Video**

FD-6705BW offers a variety of different camera interfaces including HDMI and IP. With the IWAVE provided special HDMI cable to connect a helmet camera

### ❖ **Push To Talk(PTT)**

FD-6705BW comes with a simplified push to talk that allows voice communication with other team members to share the critical information.

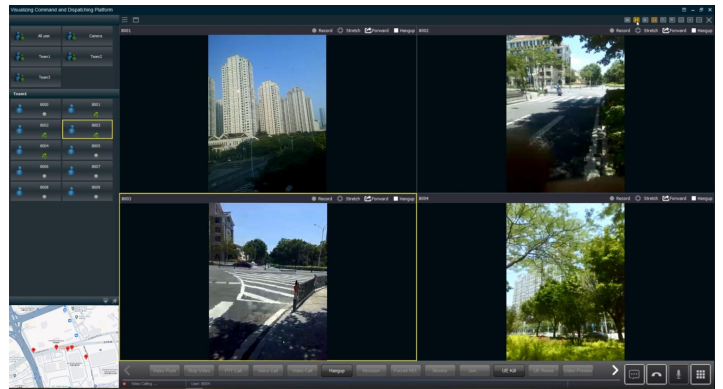


### ❖ **Rich Interfaces**

- ✓ PTT Port
- ✓ HDMI Port
- ✓ LAN Port
- ✓ RS232 Port
- ✓ 4G Antenna Connector
- ✓ Wifi Antenna Connector
- ✓ User-define Connector
- ✓ GNSS Antenna Connector
- ✓ Dual RF Antenna Connectors
- ✓ Power Charge

### ❖ **Mission Command Platform**

- ✓ Visual Command and Dispatching Platform For IP MESH Solution (CDP-100) is an advanced software suite that runs on a desktop or tablet.



- ✓ It combines visual intercom technology, real-time video transmission technology and GIS positioning technology to display voice, images, videos, data and the positioning of each MESH node through a single interface.
- ✓ It provides the vital information required to make informed real-time decisions.

#### ❖ **Removable Battery for 8hours Continuous Working**

Working Hours: 8hours  
 Vol: DC28.8V  
 Capacity: 7000mAh



## ❖ Specification

General		Mechanical	
Technology	MESH based on TD-LTE Technology Standard	Temperature	-20° to +55°C
Encryption	ZUC/SNOW3G/AES(128)Layer-2 Encryption	Color	Black
Date Rate	30Mbps(uplink+downlink)	Dimension	312*198*53mm
Sensitivity	10MHz/-103dBm	Weight	3.8kg
Range	2km-10km(nlos ground to ground)	Material	Anodized Aluminum
Node	16nodes	Mounting	Bodyworn
Modulation	QPSK, 16QAM, 64QAM	Power Input	DC18-36V
Anti-jamming	Automatically frequency hopping	Power Consumption	45W
RF Power	5Watts	Protection Grade	IP65
Latency	20-50ms	Anti-Vibration	Anti-vibration design for fast moving
Frequency		Antenna	
1.4Ghz	1427.9-1447.9MHz	Tx	4dbi omni antenna
800Mhz	806-826 MHz	Rx	6dbi omni antenna
Interfaces			
UART	1 x RS232	LAN	1xRJ45
RF	2 x N Type Connector	HDMI	1 x HDMI video port
GPS/Beidou	1 x SMA	WIFI Antenna	1 x SMA
Indicator	Battery level and network quality	4G Antenna	1 x SMA
PTT	1xPush To Talk	Power Charge	1x Power input