

# Portable Emergency Command System ZXIMCU PT01 P200

Portable emergency command system ZXIMCU PT01 P200 consists of Main Processing Unit (MPU) and Remote Radio Unit (RRU). It provides a variety of services such as professional voice/video PTT call based on LTE, high resolution video transmission, video distribution, multimedia dispatch, GIS, voice/video full-duplex call and so on. This system is widely used in case of fire emergency, earthquake rescue, urgent police deployment and other scenarios where a quick set-up of emergency command platform is needed. With direct link to the ongoing mission, the system vastly improves the efficiency of mission commanding and dispatching.



## Product Features

### Light & Portable

Lightweight design, easy to carry

### Convenient Configuration

Integrated power supply to whole system, one click to configure, easy to use

### Stable & Reliable

Well developed SDR platform, consistently good in performance

### Professional Trunking System

Connection time within 300ms, signal latency within 100ms

### Protection Level

IP67 standard

### Shock Resistance Performance

GB/T 4798.7-2007 carry along and mobile use: above 7M2

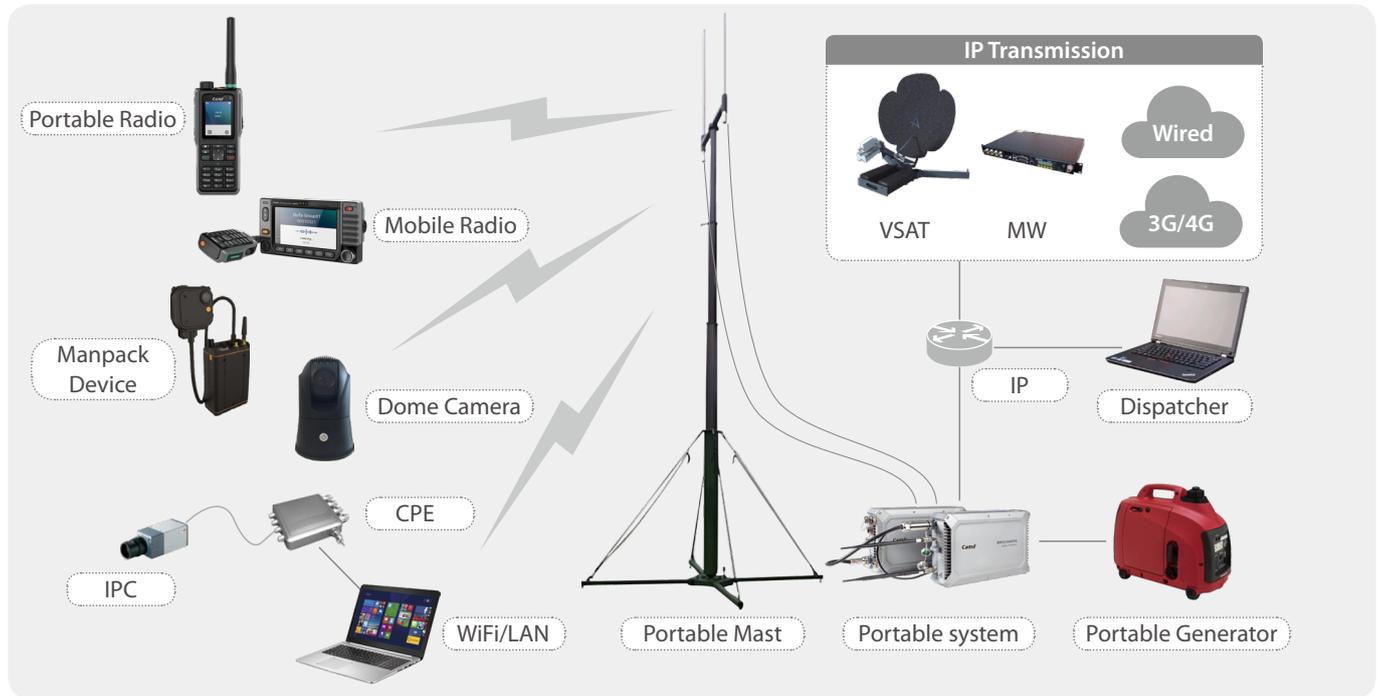
### Weathering Performance

-40°C~+55°C working temperature, fully support various emergency scenarios

### Abundant Services

Trunking Services	Multimedia Dispatching System
<ul style="list-style-type: none"> <li>Voice call</li> <li>Video call</li> <li>Status display</li> <li>Emergency alarm</li> </ul>	<ul style="list-style-type: none"> <li>Multimedia dispatching</li> <li>Video pull / Video push</li> <li>Multimedia message</li> <li>GIS application</li> </ul>

## Portable System Overview



## Specifications

Physical Indicator	Main processing unit (MPU)	Dimensions: 475mm×275mm×105mm Weight: 10kg Power consumption: 100~150W
	Remote radio unit (RRU)	Dimensions: 475mm×275mm×145mm(700M) 475mm×275mm×105mm(1.4G) Weight: 20Kg(700M), 12Kg(1.4G) Power consumption: 100~300W
Service Indicator	Operating frequency (available for customization)	700M(B28): 703-748MHz/758-803MHz 1.4G (B45): 1447-1467MHz
	Network type	FDD-LTE, TDD-LTE
	Working bandwidth	20M
	Transmit power	2x40W
	Number of paths	2 paths, double transmitting and double receiving, improved coverage
	Upload/download speed	50/100Mbps
	eNB maximum throughput	DL600Mbps, UL300Mbps
	Ethernet port	FE/GE×2
	Fiber optic port	6G
	Clock synchronization	Support GPS/1588V2/SYNCE
Other Indicator	Core network service	CN throughput: 0.8Gbps PTT call establishment time <300ms Maximum user number: 500 Maximum group number: 100 Maximum online PTT call: 256 Maximum base station connection: 10
	MIMO	Support MIMO, improved coverage ability
	Multiple signal carriers	Support multiple signal carriers, improved system capacity
	Highly efficient power amplifier technology	CFR/DPD/Doherty, power device power consumption

Other Indicator	Reliability	Based on Software Defined Radio (SDR) platform, high system reliability
	Wireless resource management	Wireless bearer control, wireless access control, mobility management, dynamic resource management
	Maintenance	Support remote maintenance, check, recover from failure, remote software download
Dispatch Console	Multimedia dispatch console	Laptop, dispatch console client software
Terminal	Portable Radio	GH650, GH653, GH880, GH880C
	Mobile Radio	GM653, GM655
	Others	CPE, Dome camera, Box camera, Manpack device
Antenna	Small antenna	optional, 0.35 meters long with gain of 6dBi, suitable for demonstration
	Portable omni-directional antenna	<b>Optional in two frequencies:</b> 700M: 1.8 meters long with gain of 7.8dBi 1.4G: 1.2 meters long with gain of 10dBi
Accessories	Portable backpack	Used to carry portable devices, comfortable and good looking, each set contains two backpacks
	Portable case	One portable case, used to store the whole portable command system
	Portable mast	3m/5m/8m available
Environmental Suitability	Working temperature	-40°C~+60°C
	Storage temperature	-50°C~+70°C
	Air pressure range	70~106 kPa
	Protection rating	IP67
	Power supply	100V~240V AC, 50Hz/60Hz