

Product specifications

| General                               |                                 |                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display                               |                                 | 15.6 inches*3 (resolution 1920*1080)                                                                                                                                                                                                                                                                                                                   |
| Keyboard & mouse                      |                                 | 85-key keyboard + touch mouse control board                                                                                                                                                                                                                                                                                                            |
| CPU                                   | Switching system platform       | 4-core eight-thread, main frequency 1.9GHz                                                                                                                                                                                                                                                                                                             |
|                                       | Dispatching management platform | 4-core eight-thread, main frequency 1.9GHz                                                                                                                                                                                                                                                                                                             |
| Interface                             |                                 | USB 3.0*4                                                                                                                                                                                                                                                                                                                                              |
| Audio input                           |                                 | Built-in MIC, external MIC, hand microphone (optional)                                                                                                                                                                                                                                                                                                 |
| Audio output                          |                                 | Built-in speaker, external earphone interface(3.5mm), head-mounted headset                                                                                                                                                                                                                                                                             |
| SIM card slot                         |                                 | Standard SIM card slot*2                                                                                                                                                                                                                                                                                                                               |
| Camera                                |                                 | Built-in camera, resolution: 1920*1080                                                                                                                                                                                                                                                                                                                 |
| Wireless network                      |                                 | Built-in wireless router, providing Wi-Fi access                                                                                                                                                                                                                                                                                                       |
| Wired network                         |                                 | 10/100/1000M adaptive LAN*6(including PoE 2 channels), 10/100M adaptive WAN*1                                                                                                                                                                                                                                                                          |
| HDMI input                            |                                 | HDMI*1, 1920×1080                                                                                                                                                                                                                                                                                                                                      |
| HDMI output                           |                                 | HDMI*1, 1920×1080                                                                                                                                                                                                                                                                                                                                      |
| Central control system                |                                 | 8.8-inch touch screen, capacitive touch mode, supports independent power control of each functional module of the device, volume adjustment, real-time monitoring of temperature, humidity, equipment DC power supply voltage and current, right screen signal source (PC1 and PC2) switching, light bar switch, real-time monitoring of battery power |
| Weight                                |                                 | About 15kg (including battery)                                                                                                                                                                                                                                                                                                                         |
| Power                                 |                                 |                                                                                                                                                                                                                                                                                                                                                        |
| Battery capacity                      |                                 | 300Wh                                                                                                                                                                                                                                                                                                                                                  |
| Power input                           |                                 | Input 90~264VAC(50/60Hz)                                                                                                                                                                                                                                                                                                                               |
| POE                                   |                                 | 2 channels, maximum power supply capacity per channel: 0.5A(48VDC)                                                                                                                                                                                                                                                                                     |
| Working power consumption             |                                 | ≤150W(including battery charging power)                                                                                                                                                                                                                                                                                                                |
| Environmental                         |                                 |                                                                                                                                                                                                                                                                                                                                                        |
| Operating temperature                 |                                 | -10°C~+50°C                                                                                                                                                                                                                                                                                                                                            |
| Storage temperature                   |                                 | -20°C~+60°C                                                                                                                                                                                                                                                                                                                                            |
| Working humidity                      |                                 | 20%~85%                                                                                                                                                                                                                                                                                                                                                |
| Waterproof and dustproof, reliability |                                 | IP65 (triple-screen collection status)                                                                                                                                                                                                                                                                                                                 |

General Disclaimer:  
The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Caltta may change the specifications without timely notice.



# ZXTS iCS C500a

## Portable Triple-screen Integrated Command Box

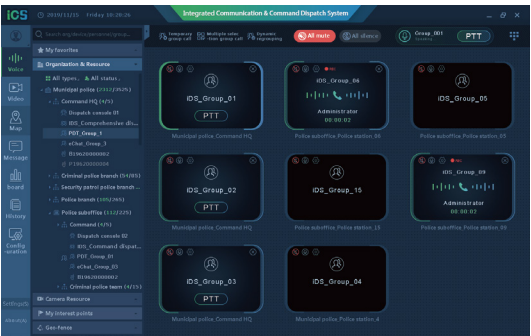




# Software Services

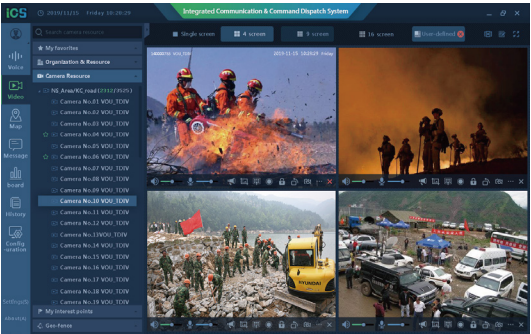
## Audio Services

- Integrate and group various devices to achieve cross-system group calls, one call with multiple responses
- Flexible grouping of terminals, dynamic adjustment of member permissions, command and dispatch according to priority
- Adopt standard pSIP interface, broadband B-TrunC interface to interconnect with other narrowband and broadband systems.
- Support network-wide call recording, which can be checked and played according to the terminal number and time period.

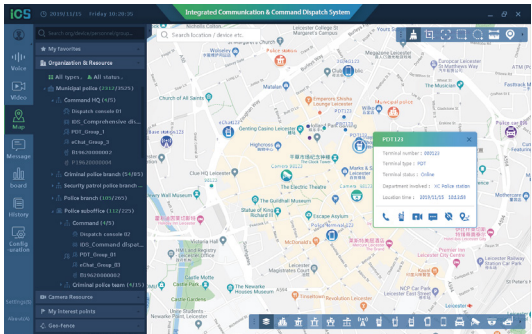


## Video Services

- Support access of various video devices from different manufacturers through GB28181
- Support dynamic adjustment of video resolution according to network conditions to ensure video fluency
- Provide a variety of screen layouts to achieve up to 16 channels of video monitoring
- The PTZ cameras can be controlled through the dispatch console



## Positioning Services



- Offline maps can be loaded to display broadband terminals, narrowband terminals, real-time location of ad-hc devices, online status, signal strength, belonging group, network topology, etc.
- When the terminal applies for the floor and speaks, its location icon will flash, indicating the speaker's position.
- You can select the terminal positioning icon on the map to make private call and video pull and other operations to realize multimedia dispatching on the map.

# Introduction

ZXTS iCS C500a is a portable dual-machine triple-screen emergency command box that can be carried on a backpack or on a trolley. It can be deployed at the emergency site and can operate independently when the network/power/road is broken.

The command box has a built-in iCS server and dispatch console based on a unified IP bearer to provide integrated communications, command and dispatch, and unified network management. It aims to assist on-site emergency command sites to improve on-site emergency communication guarantee and meet the needs of on-site command and dispatch, decision-making, pre-plan drills and other work needs.

# Features

**Highly integrated design**  
Our product integrates dispatching console and back-end system, foldable triple-screen design, full-network 5G router, Gigabit PoE switch, GB28181 standard video system, built-in speaker, MIC, and large capacity battery.

**Modular configuration**  
Each functional component is modular, and can be disassembled and assembled, and can be combined and customized according to user needs.

**Standardized docking**  
It adopts standard SIP, pSIP and GB28181 and other protocols to carry out standardized docking with many private networks, ad hoc networks, platforms and gateways.

**Portable and flexible**  
Built-in battery can last for 4 hours, and provides multiple power supply methods such as POE, mains power, generator vehicle-mounted power supply and backup battery. The dual system can run independently through the built-in switch without complicated assembly and deployment. It is fast to deploy and start up, and can transfer rapidly.

**Front-line and back-end collaboration**  
It has built-in the 5G router, which can be connected to the back-end command center through transmission links, such as satellite, public network, and wired IP, so that the back-end command center can directly command and dispatch various combat resources at the rescue site, and coordinate between the front-line and back-end.

**Rich services**  
It supports VoIP, PTT, MMS, positioning, video monitoring, data analysis, resource collaboration, command and dispatch, triple-screen display, and so on.

**One network unified management**  
It manages multiple communication subsystems, including equipment management, status monitoring, alarm management, all network positioning, all-network configurations, and smart inspections, to improve operation and maintenance efficiency from different dimensions.

**Fully integrated communication**  
Our product can access DMR/LTE private network, wide/narrowband ad hoc network, national standard video platform, PSTN gateway through wired Wi-Fi, 4/5G data network, and optional integrated communication gateway can access shortwave, analog communication, audio and video conferencing, etc. System, all types of terminals are fully integrated, grouped and interconnected, and are presented and managed in a unified manner.

Details



Portable display



Hardware Design

- 01 Independent integrated architecture

At the same time, the trunking communication system and dispatching console are integrated to quickly establish emergency on-site voice and video positioning functions through a variety of bearer links.
- 02 Carbon Fiber Box

High temperature resistance, anti-corrosion, equipped with waterproof valve to keep the equipment in good working condition.
- 03 Central control touch screen

8.8-inch touch screen, capacitive touch mode, supports independent power control of each functional module of the device, volume adjustment, real-time monitoring of temperature, humidity, equipment DC power supply voltage and current, right screen signal source (PC1 and PC2) switching, light bar switch, real-time monitoring of battery power.
- 04 Ultra-thin triple-screen design

The dispatch console supports triple-screen customized display, and provides a faster on-site dispatcher through voice, positioning, and video presentation.
- 05 Industrial grade keyboard and mouse

85-key keyboard+touch mouse control panel .

System composition

