

# Xingtera Smart Helmet

## XTSH-RD-D6

## 5G Industrial Explosion-Proof Helmet



### INTRODUCTION

#### PRODUCT OVERVIEW

The 5G industrial explosion-proof helmet is integrated with 21MP/Autofocus/1080P HD camera, voice intercom, and 5G/Wi-Fi communication module to support multiple functions, such as the high-definition video call, video capture, photo capture, intercom, local video storage, and real-time positioning, etc.

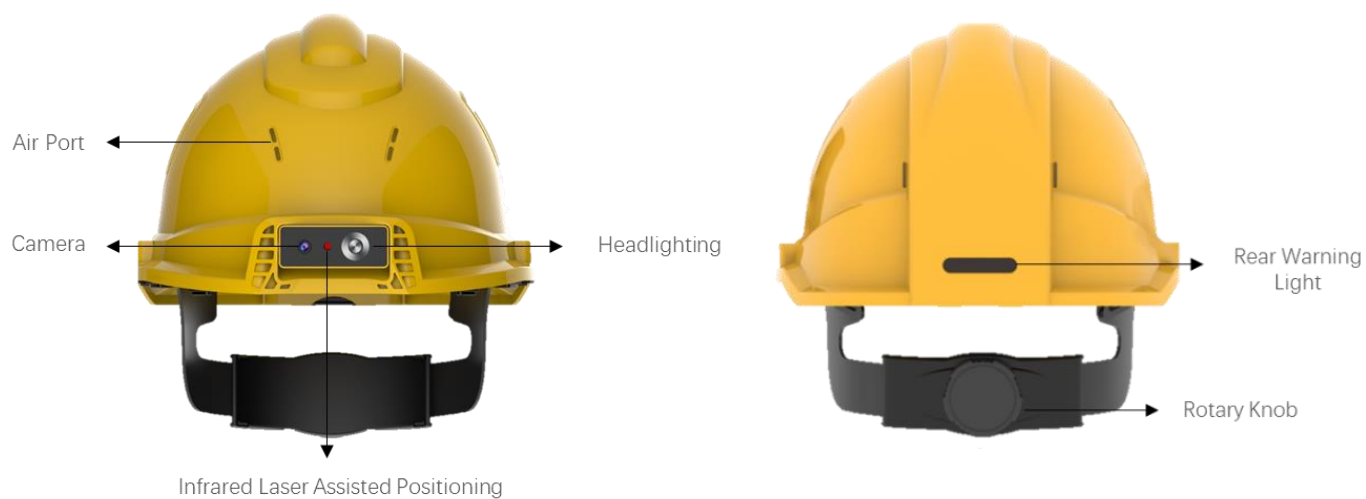
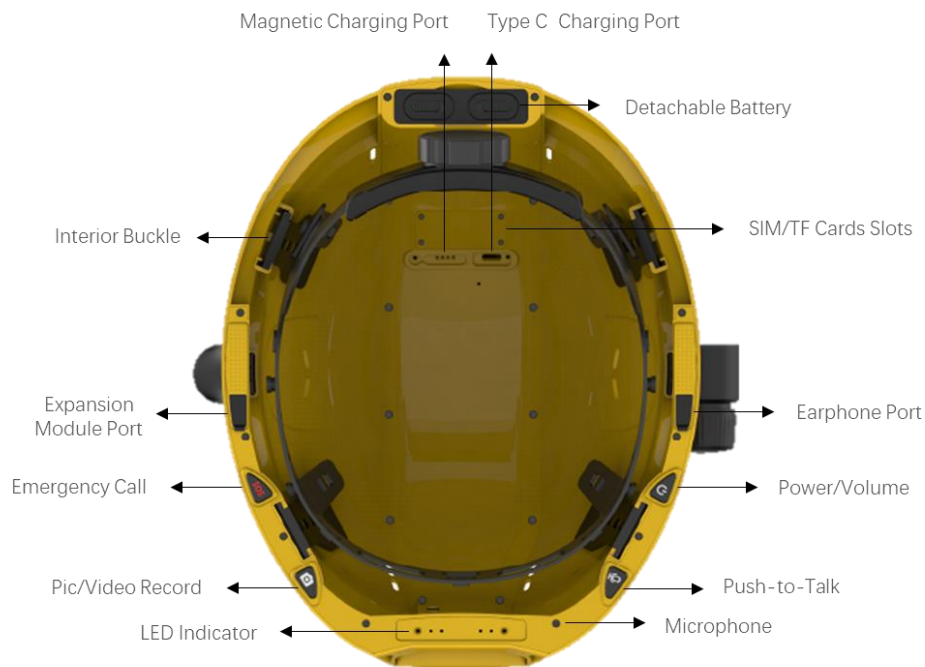
The helmet is intrinsically safe explosion-proof, which supports operation at - 30°C to 60°C and harsh working environment. The helmet can be applied to various industries, such as construction, railway maintenance, oil & gas factories, chemical factories, mines, docks, wind farm, even for security patrol and rescue, etc.

#### KEY FEATURES

- ✧ **21MP high-definition autofocus camera** supports 1080P and achieves high-definition video call, real-time video display, video capture, as well as one-click for video recording.
- ✧ **Support the multiple expansion modules**, such as high precision positioning, height positioning, face recognition, near-electric-power sensing, fall alarm, etc.
- ✧ **Long standby and long endurance** support long working hours with the capability of continuous video transmission.
- ✧ **OTA** is supported for efficient remote management.
- ✧ **Detachable battery** enables the battery replacement easier.
- ✧ **Dual SIM cards slots** support dual-SIM dual standby.

## APPEARANCE

### Product Button Functions



## SPECIFICATIONS

Item	Parameter	Item	Parameter
Camera	21 million pixels autofocus HD	EMCP	4GB+64GB
OS	Android 11	Positioning	GPS dual mode positioning
Headset	Supporting Bluetooth headphone	Microphone	Dual noise reduction
TF card	Maximum support 512GB	Bluetooth	Support
SIM Card	Dual Nano SIM Cards	Wi-Fi	IEEE802.11b/g/n, 2.4G; 5G
Bands	n1/n3/n28/n41/n77/n78/n79 B1/B3/B5/B7/B8/B20/B28/B34/B38/B39/B40/B41	Battery	5000mAh Detachable
Indicator	Operation status indicator	Flashlight	Infrared Laser Assisted positioning
Size	294(L)*228.5(W)*153.5(H) mm	Weight	≤650g
IP Protection Class	IP66	Material	ABS
Certification	National GB2811-2019 Safety Helmet Certification, Ex ib IIC T4 Gb intrinsically safe explosion-proof		

## MAIN FUNCTIONS

- ✧ **Video functions:** Video Call, Video Capture, Video Record, Live Monitoring
- ✧ **Audio functions:** Audio Call, Emergency Call, Broadcast, Group Call, Push-to-Talk
- ✧ **Location functions (Outdoor):** Positioning, Tracking, Geo-fence
- ✧ **Image functions:** Photo Capture, Photo Record
- ✧ **Alarm functions:** SOS, Geo-fence, Fall, Hat-off, Collision, Silence

## EXTENDED FUNCTIONS

- ✧ **Face Recognition**  
Supports face recognition and identity verification.
- ✧ **Height Detection**  
Supports location height positioning with the accuracy of one (1) meter.
- ✧ **Near-electric-power Detection**  
Supports warning for near electrical power.
- ✧ **High Accuracy Positioning**  
Supports centimeter level high-precision positioning assisted by the technology of UWB/RTK.
- ✧ **AI voice command system**  
Enable the workers control the helmet through voice command with hand-free, such as light on/off, pic/video record, SOS, wake up the device, etc.

## ORDER INFO

Model	Wireless Network	Functions
XTSH-RD-D6	5G	<ul style="list-style-type: none"><li>• Video Call, Video Capture, Video Record, Live Monitoring</li><li>• Audio Call, Emergency Call, Broadcast, Group Call, Push-to-Talk</li><li>• Outdoor Positioning, Tracking, Geo-fence</li><li>• Photo Capture, Photo Record</li><li>• Alarm: SOS, Geo-fence, Fall, Hat-off, Collision, Silence</li><li>• Headlighting</li></ul>

## NAMING CONVENTION

### XT-SH-RD-D6

- ✧ XT: Xingtera
- ✧ SH: Smart Helmet
- ✧ RD-D6: Video (premier) Type

## CONTACT US

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