

# Ulefone Armor 21

## New Product Introduction

Armor 21 ●



8+256

Main Specs

Dimensions	176.0 x 81.6 x 18.1 mm
Ports	uSmart Expansion Connector, USB Type-C Charging Port, 3.5mm Audio Jack
Display	6.58-inch FHD+, 1080*2408, 120Hz
Processor	MediaTek Helio G99 Octa-core 2.2GHz Chipset
Storage	8GB RAM + 8GB Virtual RAM, 256GB ROM
Rear Camera	64MP Main Camera + 24MP Night Vision Camera
Front Camera	16MP
Battery	9600mAh Battery, 33W Fast Charging
System	Android 13
Card Slot	Nano SIM + Nano SIM + microSD
Network	GSM: B2/3/5/8 WCDMA: B1/2/4/5/8 LTE-FDD: B1/2/3/4/5/7/8/12/17/19/20/28A/28B/66 LTE-TDD: B34/38/39/40/41
Connectivity	WiFi: 802.11 a/ac/b/g/n (2.4/5GHz) Bluetooth: BT5.2

\*The product specification is subject to the final configuration.

# COMPONENTS

**Size:** 176.0 x 81.6 x 18.1 mm (6.58-inch)

16MP Front Camera

Receiver



SIM/TF Card Slot

Custom Key

uSmart Connector

Type-C Charging Port

Volume +

Volume -

Power Key & Fingerprint Sensor

Microphone  
Headphone Jack

122dB Halo Speaker

IR Blaster

Flash

64MP Main Camera

24MP Night Vision

IR LEDs

NFC

Pogo Pin

Lanyard Hole



## ■ DESIGN

**Phone Size:** 176.0 x 81.6 x 18.1 mm  
**Keys:** Power & Fingerprint button, Volume button  
**Color:** Black

## ■ DISPLAY

6.58-inch HD+ Waterdrop Screen  
 1080 x 2408 Pixels  
 401 PPI, 20:9 Aspect Ratio  
 10 Point Capacitive Multi-touch

## ■ CAMERA

64MP Main Camera + 24MP Night Vision Camera  
 16MP Front Camera  
 LED Flash  
 Two IR LEDs  
 Video Capture: 1080P

## ■ PERFORMANCE

MediaTek Helio G99 Octa-core  
 2.2GHz Chipset  
 8GB RAM + 8GB Virtual RAM  
 256GB ROM  
 2TB Expandable

## ■ SYSTEM

Android 13  
 Face Unlock, Side Fingerprint Sensor

## ■ SENSOR

Light Sensor, Proximity Sensor, Acceleration Sensor, Gravity sensor, Geomagnetic Sensor, Gyro Sensor, Coulomb counter, Pedometer, Air pressure sensor, Infrared sensor, NFC

## ■ BATTERY

9600mAh Lithium-ion Polymer Battery  
 33W Wired Charging  
 Standby Time: 522hrs, Talk Time: 39hrs,  
 Video Playback: 15hrs

## ■ CONNECTIVITY

1 Nano-SIM + 1 Nano-SIM + 1 microSD  
 GSM: B2/3/5/8  
 WCDMA: B1/2/4/5/8  
 LTE-FDD: B1/2/3/4/5/7/8/12/17/19/20/28A/28B/66  
 LTE-TDD: B34/38/39/40/41  
 FDD: DL300Mbps/UL150Mbps  
 WiFi: 802.11 a/ac/b/g/n (2.4/5GHz)  
 Bluetooth 5.2; Type-C, USB 2.0  
 GPS + Glonass + Galileo + BeiDou + Digital Compass

## ■ IN PACK

1 x Phone  
 1 x AC Power Charger (100~240V /EU Plug)  
 1 x Data cable (100cm)  
 1 x Protective Film (Pre-installed)  
 1 x Tempered Glass Screen Protector  
 1 x SIM Needle  
 1 x Lanyard  
 1 x Multi-language User Manual  
 1 x Warranty Card  
 1 x Multi Function Instruction Card  
 1 x Charging Instruction Card  
 1 x Safety Prompt Card



\* The product specification is subject to the final configuration.



## Packing List

Phone

AC Power Charger (100~240V /EU Plug)

Data Cable (100cm)

Protective Film (Pre-installed)

Tempered Glass Screen Protector

SIM Needle

Lanyard

Multi-language User Manual

Multi Function Instruction Card

Charging Instruction Card

Warranty Card

Safety Prompt Card

Enjoy Halo Moment

# ARMOR 21



122dB  
Halo Speaker



IP68/IP69K, MIL-STD-810H



64MP Main Camera



6.58" FHD+



INFINITE HALO



24MP  
Night Vision Camera



UP TO ↗  
16GB RAM

MediaTek Helio G99



8GB RAM  
(8GB VIRTUAL RAM)

IR Blaster



uSmart Expansion  
Connector



9600mAh  
Battery



Dock  
Charging



Pay  
((NFC))

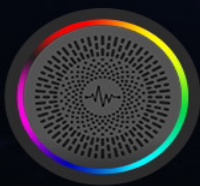
Android 13

# INFINITE HALO

Light travels at a speed of about 300,000 kilometers per second. Light plays an important role in our lives. It delivers energy and emotional value for us. Infinite halo injects unlimited energy for you. Different mood enables different halo mode, you are the owner of your halo.



Music



Calling



Notification



Charging





## **Every Frequency Sounds Wonderful**

### **Fascinating, Full, and Immersive**

The bass boost is very pleasant, the mid sound warm and rich, precise, natural and full, and the high sound very open and airy. Every frequency range performs well, and even in the highest volume it maintains a great consistency. The overall tonal balance is excellent.

## Party Speaker, Outdoor Fun

### Infinite Halo Syncs to the Beat

Whether partying with friends, playing in the pool or doing outdoor activities, the speaker with infinite halo takes relaxed feelings to next level! Up to 30 hours playtime with 9600mAh massive battery, just enjoy the mobile speaker without plugs.



## Tailor-Made Prompt Tones, Just for Armor 21

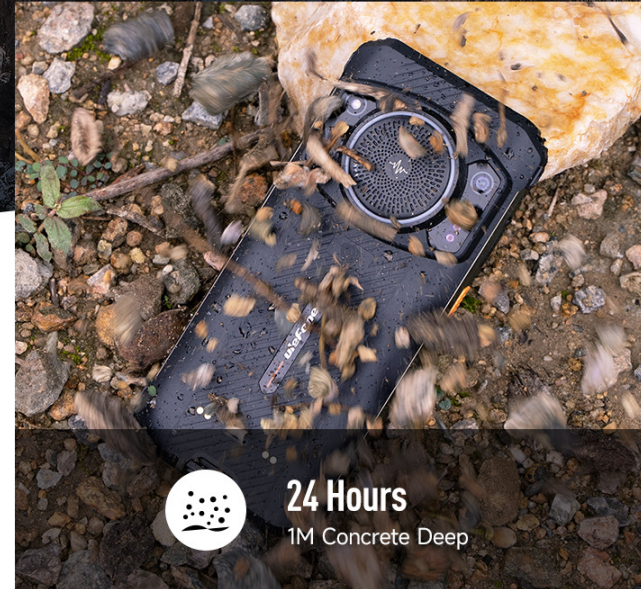
The ultra-loud volume halo speaker is not the only surprise, all-new notifications tones are tailored for Armor 21! Distinctive from any previous models, special Armor 21 encounters unique you.



# IP68/IP69K, MIL-STD-810H Standard

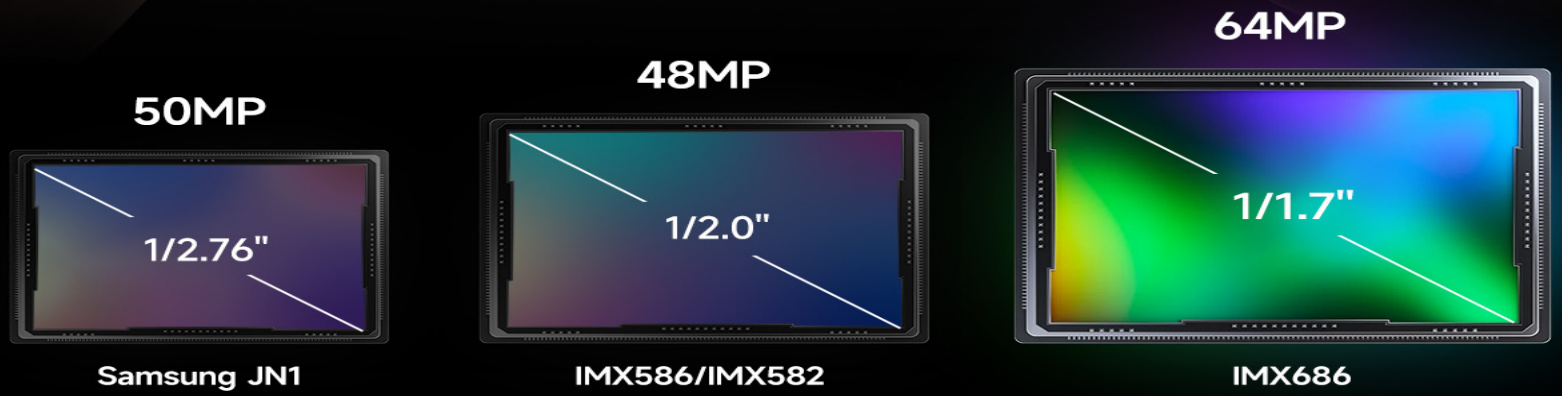
## Tough Beast Against Hardship

Armor 21 certified by IP68/IP69K, MIL-STD-810H standard survives water submersion into 1.5m deep, invasion of dust and dirt, drops from 1.5m high, extreme low or high temperature. And a portable sharp tool for reckless work under harsh working conditions such as railways, mines, electric power, petrochemicals, and construction.



## 64MP Primary Camera Capture Ultra-Clear Shots

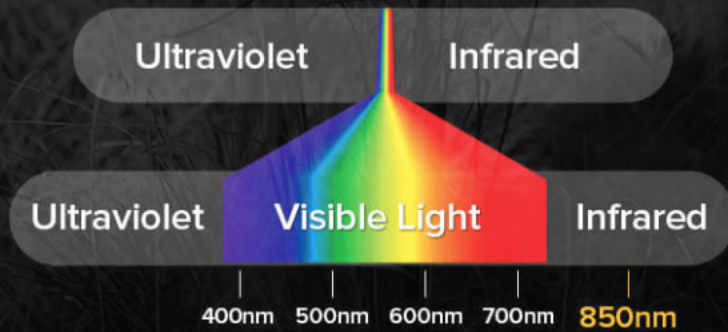
Armor 21 comes with a 64MP Sony IMX686 main sensor, which is quite big in size of 1/1.7" photosensitive element and supports 4-in-1 1.6 $\mu$ m large pixels. Letting more light into the lens enables ultra-clear image quality. By zooming in on the picture and cropping, the entire details can be down to hair, skin texture and more.



## 24MP Night Vision Camera

### 3.0 Version to Penetrate Darkness

The upgraded third generation infrared night vision camera brings higher 24MP pixels, better algorithm and lower interference. It enables you to shoot great, clear photos in low light and night scenes, and is a nice assistant for some night shooting, wildlife observation and other outdoor activities.





# More Shooter Capabilities



Night Vision Mode



Night Mode



Beauty Mode



GIF



Portrait Mode



Pro Mode



Panorama mode



Slow Motion



Time Lapse



Intelligent Scanning



Film Mode



## 16MP Selfie Camera

The front-facing shooter reaches 16MP clarity and up to smallest details, only one snap to get stunning images with friends in the party or more activities. Either video calls or live webcast is awesome too.



# 6.58" FHD+ 120Hz Fluid Display

## Absorbing in Every Moment

Armor 21 sports a 6.58-inch FHD+ screen with resolution of 1080 x 2408. 120Hz extra-high refresh rate and 240Hz touch sampling rate make it extremely sensitive for task processing, browsing, game playing. Fine display and operation fluency immerse yourself in it.



120Hz  
120Hz

Extra-High Refresh Rate

240Hz  
240Hz

Touch Sampling Rate

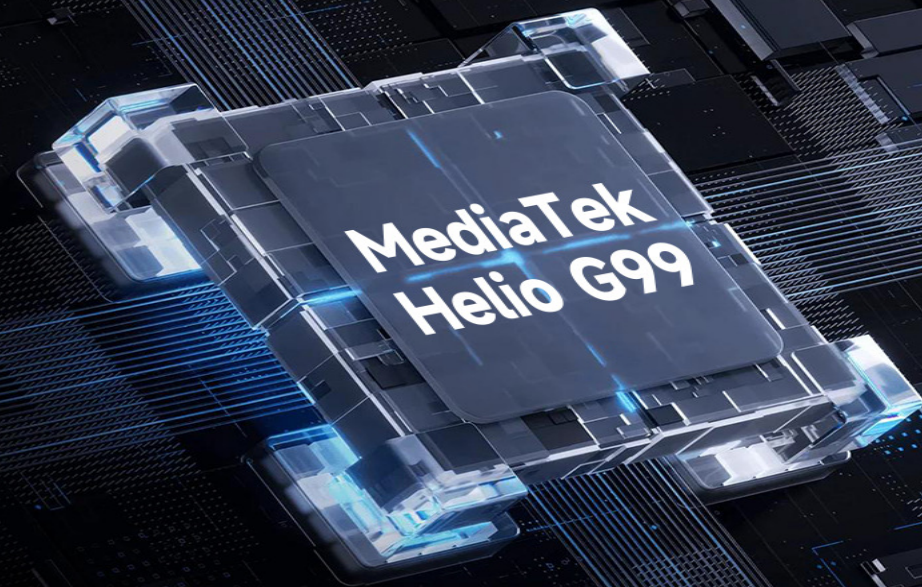
1080 x 2408  
1080 x 2408

FHD+ Resolution

## MediaTek Helio G99 Soc

### Most Powerful 4G Chipset

Wanna smash the frozen phone? Armor 21 won't make it happen. MediaTek Helio G99 chipset brings 8-core CPU, 2.2GHz frequency extremely fluid and smooth experience, no matter for long time gaming or multi-tasking.



Up To  
**16GB  
RAM**

**8GB RAM**  
8GB Virtual RAM

**256GB ROM**  
2TB Expansion

## Up to 16GB RAM

### 256GB ROM + 2TB Expansion


Together with 8GB of RAM + 8GB Virtual RAM, 256GB internal storage and 2TB expanded storage space, Armor 21 runs without latency, enhancing working efficiency.

\*The micro SD card is not included, and need to be purchased separately.  
4GB/6GB/8GB virtual memory for option, which can be activated in Settings at your will.

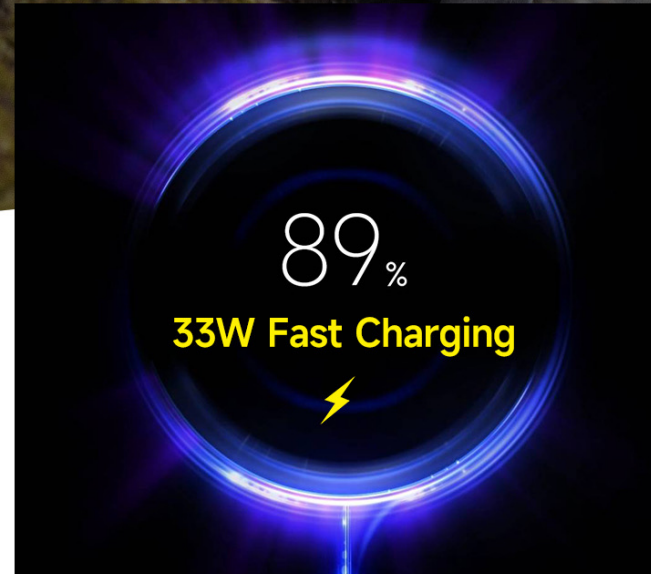
## 9600mAh Mighty Battery Dare Stay Several Days Outdoor

Reject battery anxiety but enjoy extended battery life brought by ultra-large 9600mAh capacity. In some low battery emergencies, reverse charging feature recovers your watches, smartphone or earphones.

 **522 Hours**  
Standby Time

 **30 Hours**  
Listening Time

 **15 Hours**  
Video Time



### Supports Dock Charging

Charged via Pogo Pins, only one slip into the cradle, Armor 21 is auto charging properly. This 2-in-1 charger can be used as a phone stand to free your hands or for convenience.

\*The dock charger sold separately. More information please refer to the Accessories.





## uSmart Expansion Connector

### Access to Efficient Work

Customized connector to link accessories like endoscope (uSmart E02), microscope (uSmart C01), and more improves the stability during the use. Armor 21 is professional for broader fields and industries.

\*For more devices that are compatible with uSmart Expansion Connector, you are recommended to refer to our accessories list. Expansion devices require additional purchases.



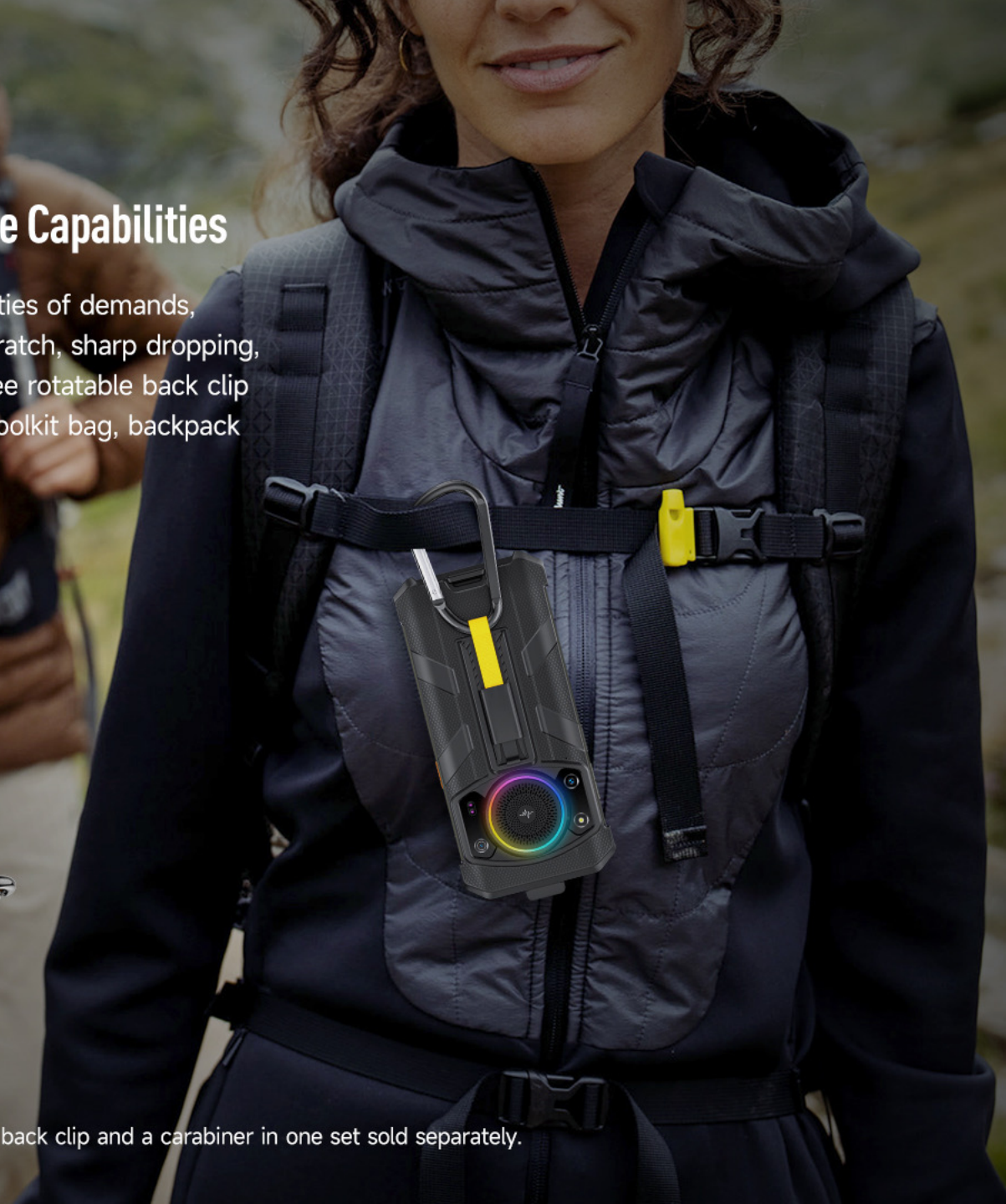
## Exclusive Armor Case

### Enables Full Protection and More Capabilities

The Armor case is customized to meet varieties of demands, which provides further protection against scratch, sharp dropping, etc. to the device. It comes with a 180 degree rotatable back clip and one carabiner to be attached to waist, toolkit bag, backpack to free your hands.



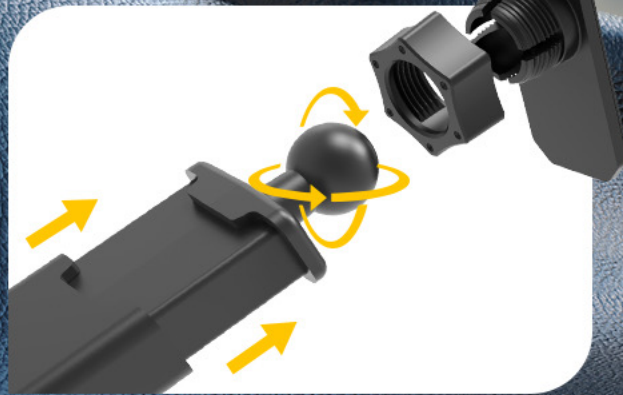
\*The Armor case mentioned above, combined with a back clip and a carabiner in one set sold separately.



# Armor Mount

## Multifunctional Phone Stand

Paired with Armor Case, the Armor mount can be a steady rugged phone stand to mount on car, desk, wall or any flat surfaces like mirror, windshield, dashboard and more. 70mm strong suction cup, easy adjustment knob, hidden extension arm from 14cm to 20cm, and its 360° ball joint make it a practical holder for your rugged beast. Saving your time and improve your working efficiency.

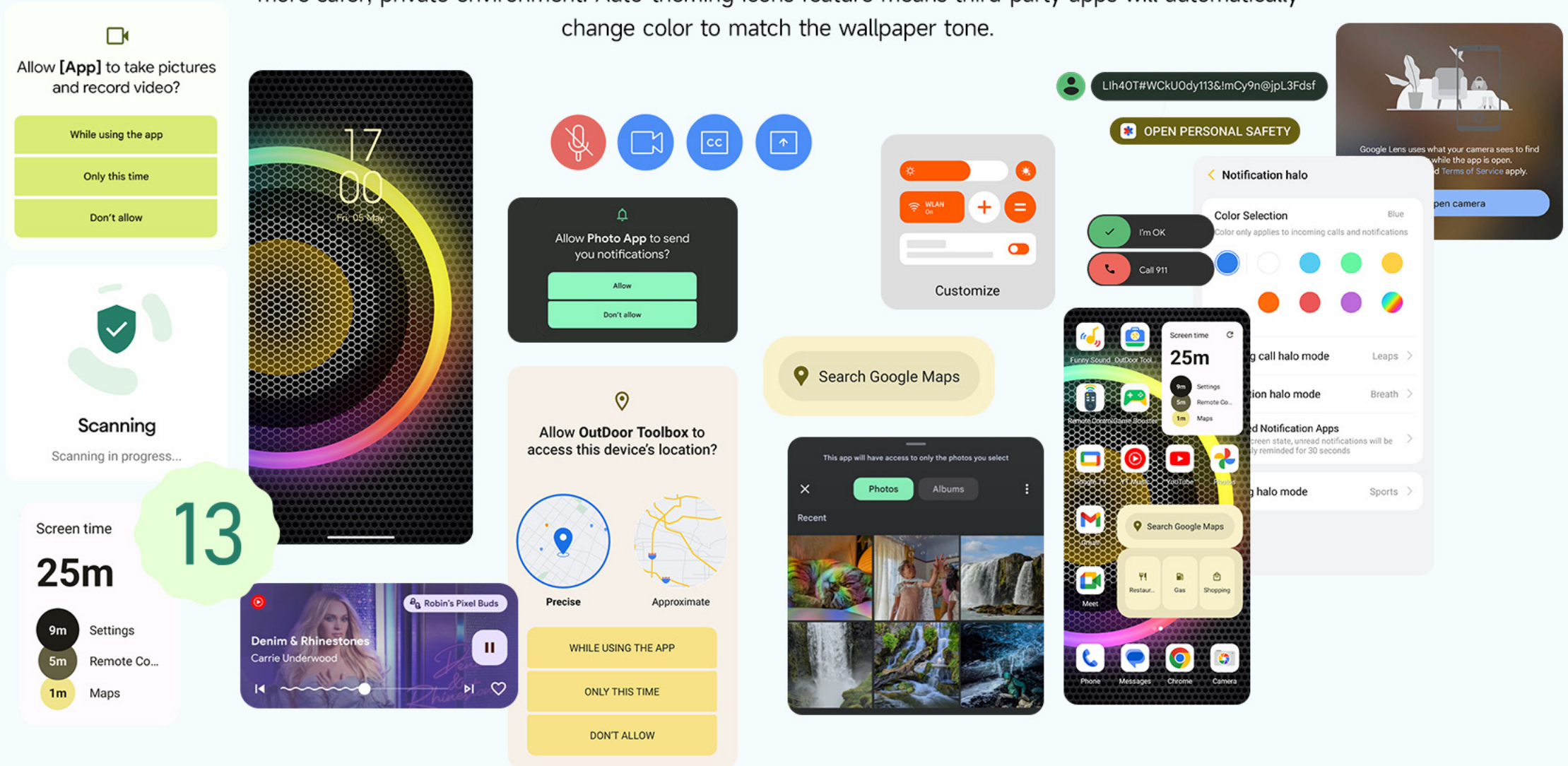


\*Armor Mount is used with Armor Case only. More information please refer to the Accessories column.

# About Security, Privacy and Personalization

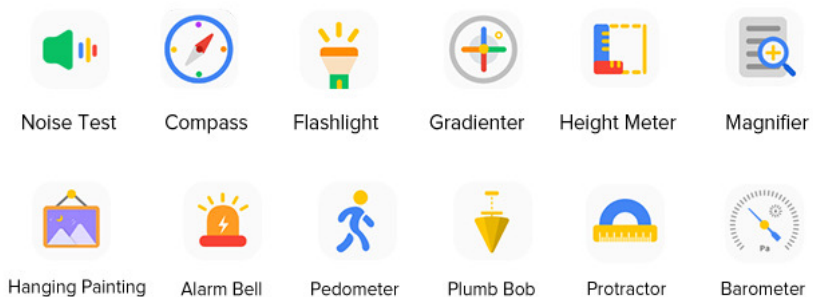
## Fresh Android 13 OS

You have better initiative for notification permission and media access. New permission system provides more safer, private environment. Auto-theming icons feature means third-party apps will automatically change color to match the wallpaper tone.



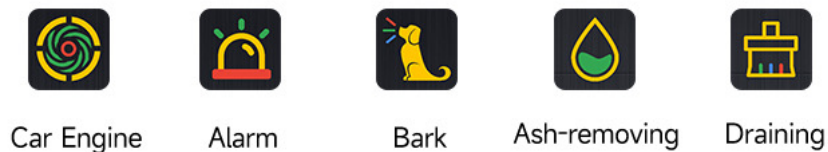
# Outdoor Toolbox

Up to 12 practical tools for assisting your work, saving efforts to bring extra physical tools.



# Funny Sound

Funny Sound brings you into sounds for fun or tricks. Among them, Ash-removing can be activated to remove dust from the speaker while Draining is clicked to drain the water.



## IR Remote Control Feature

With an IR blaster, Armor 21 turns into an universal remote for televisions, air conditioners, or other appliances compatible with IR remotes.



TV



Projector



Fan



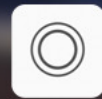
Air conditioner



DVD



AMP



Robot vacuum



Others



\*Due to differences of devices in different countries, Remote Control may not be applicable.

# GPS + GLONASS + Beidou + Galileo Navigation

## 4G Global Mobile Network

Adequate 4G frequency bands coverage for being connected anywhere anytime. No worry for poor signals or frequent to drop off. Our complete global navigation system provides reliable and specific location against lost.



### Global Network:

GSM: B2/3/5/8

WCDMA: B1/2/4/5/8

LTE-FDD: B1/2/3/4/5/7/8/12/17/19/20/28A/28B/66

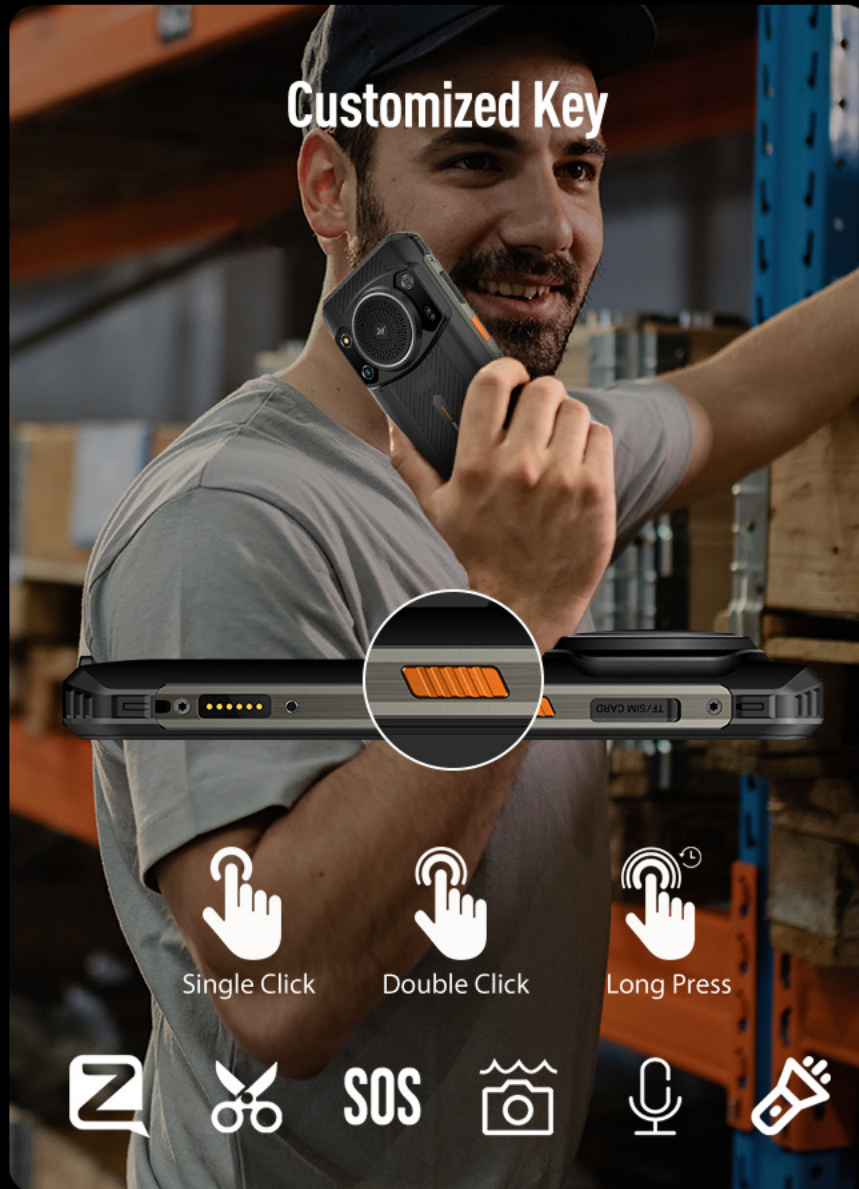
LTE-TDD: B34/38/39/40/41

# What Other Capabilities in Armor 21

NFC + Google Pay



Customized Key



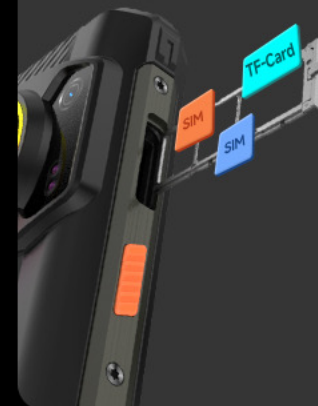
Underwater Camera



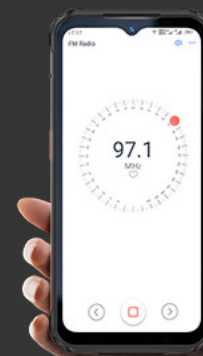
Face Unlock + Fingerprint ID



3-Card Slot



Headset-free FM Radio



Thanks !