Ulefone Armor 21

New Product Introduction

Brand Department | June 2023

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
Microphone
Headphone Jack
Volume +
Volume -
Power Key& Fingerprint Sensor



IR Blaster
122dB Halo Speaker
Flash
64MP Main Camera
NFC
24MP Night Vision
IR LEDs
Pogo Pin
Lanyard Hole

SPECIFICATIONS

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



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

PROOF
WATER SHOCK DUST
IP68

MILITARY
GRADE
MIL-STD 810H
DROP ★ TEST
CERTIFIED
USA

64MP Main Camera



6.58" FHD+

120Hz

INFINITE HALO



24MP
Night Vision Camera



UP TO
16GB RAM

8GB RAM
(8GB VIRTUAL RAM)

MediaTek Helio G99



IR Blaster



G Pay
NFC

uSmart Expansion
Connector



9600mAh
Battery



Dock
Charging



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

HiFi Quality
Loudest Speaker

3.5W Peak Wattage & 122dB Max Loudness

Up to 36mm in diameter and bulky 11.5 CC in sound cavity, this 122dB full frequency shock speaker plays extra-loud sound with 3.5W huge power, offering unprecedented super loud HiFi quality sound.

122dB
Max Loudness

HiFi
Sound

3.5W
Peak Wattage

11.5 CC
Sound Cavity





98dB
14 Pro



88dB
Laptop



108dB
Alarm Siren



116dB
SoundLink Revolve



122dB
Max Loudness


Every Frequency Sounds Wonderful
Fascinating, Full, and Immersive
The bass boost is very pleasant, the midst sound warm and rich, precise, natural and full, and the highs 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

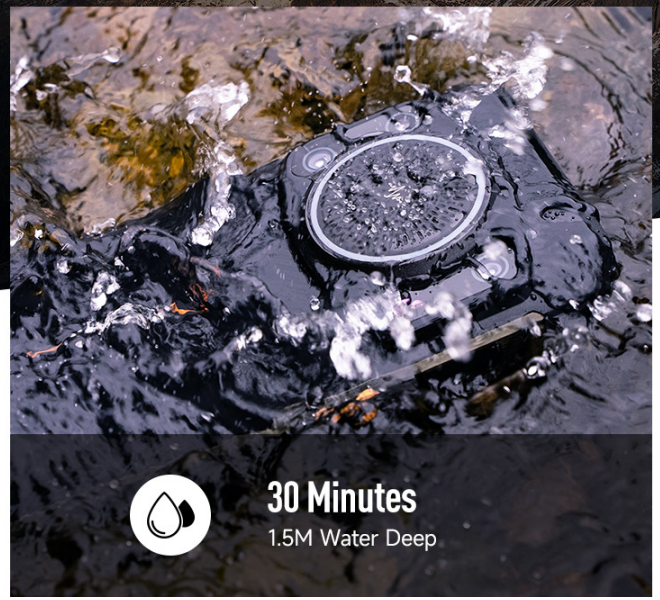
The ultra-loud volume halo speaker is not the only surprise, all-new notifications tones are tailored for Armor 21! Distinctive from any previous models, special Armor 21 encounters unique you.



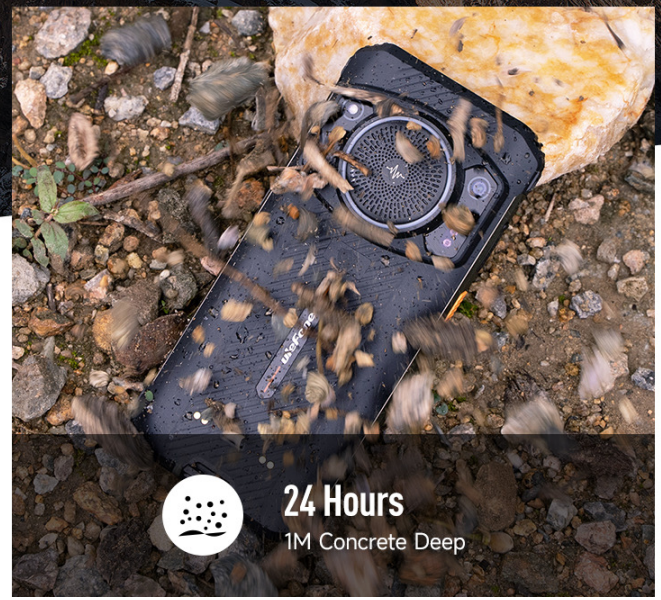
IP68/IP69K, MIL-STD-810H Standard

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.



30 Minutes
1.5M Water Deep



24 Hours
1M Concrete Deep

1.5M
Drop Resistance



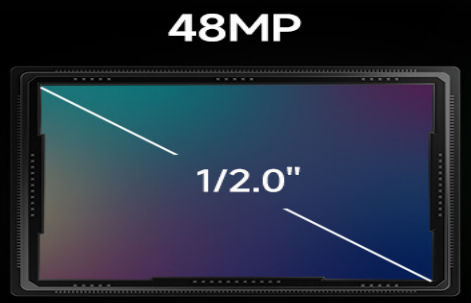
64MP Primary Camera Capture Ultra-Clear Shots

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 1.6μm 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.

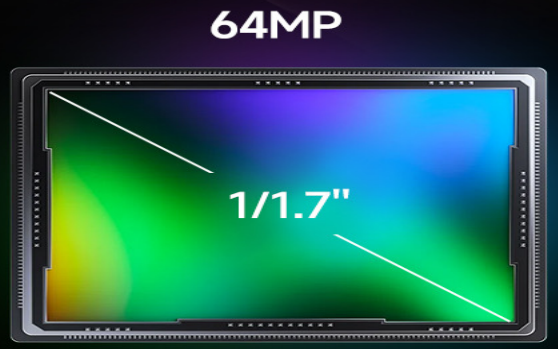




Samsung JN1



IMX586/IMX582

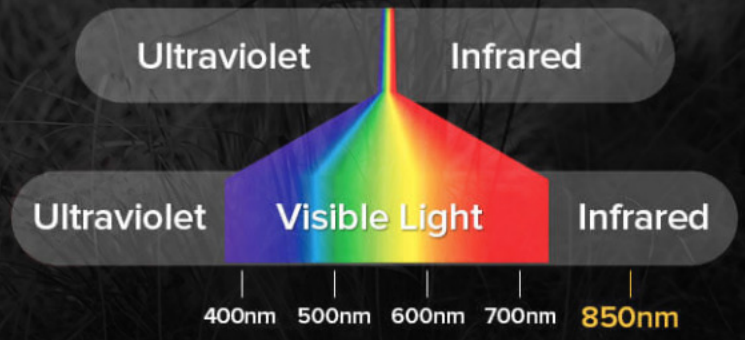


IMX686

24MP Night Vision Camera

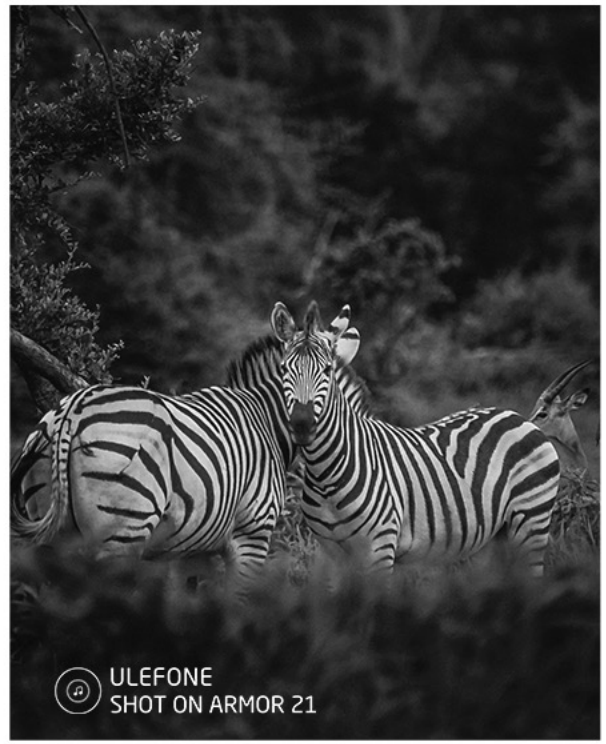
3.0 Version to Penetrate Darkness

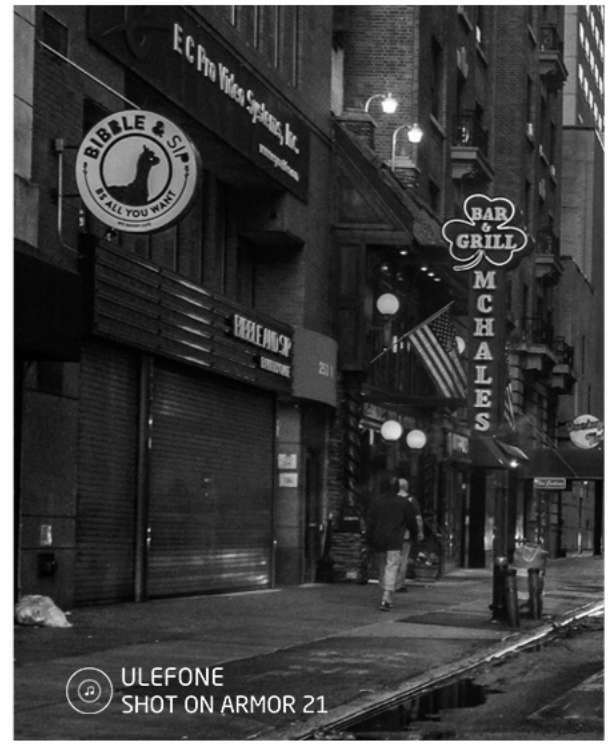
The upgraded third generation infrared night vision camera brings higher 24MP pixels, better algorithm and lower interference. It enables you to shoot great, clear photos in low light and night scenes, and is a nice assistant for some night shooting, wildlife observation and other outdoor activities.

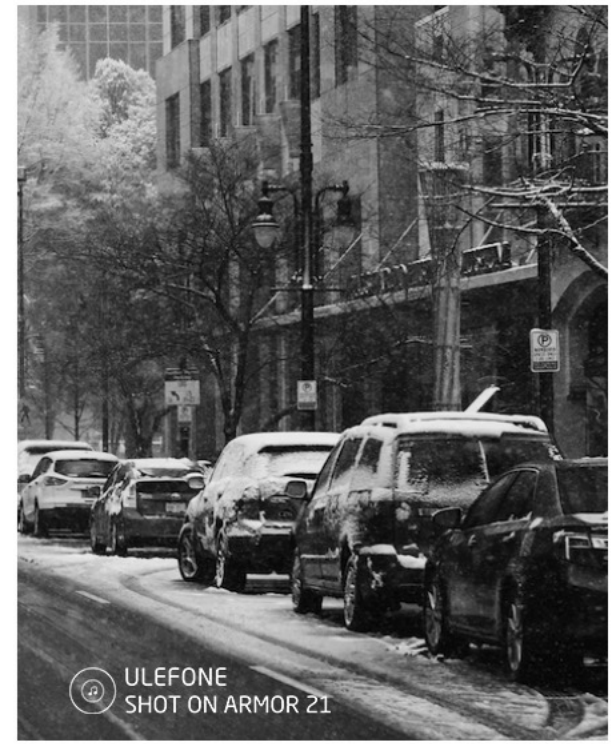





ULEFONE
SHOT ON ARMOR 21


ULEFONE
SHOT ON ARMOR 21


BIBBLE & SIP
BAR & GRILL
MCHALES
ULEFONE
SHOT ON ARMOR 21


ULEFONE
SHOT ON ARMOR 21

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

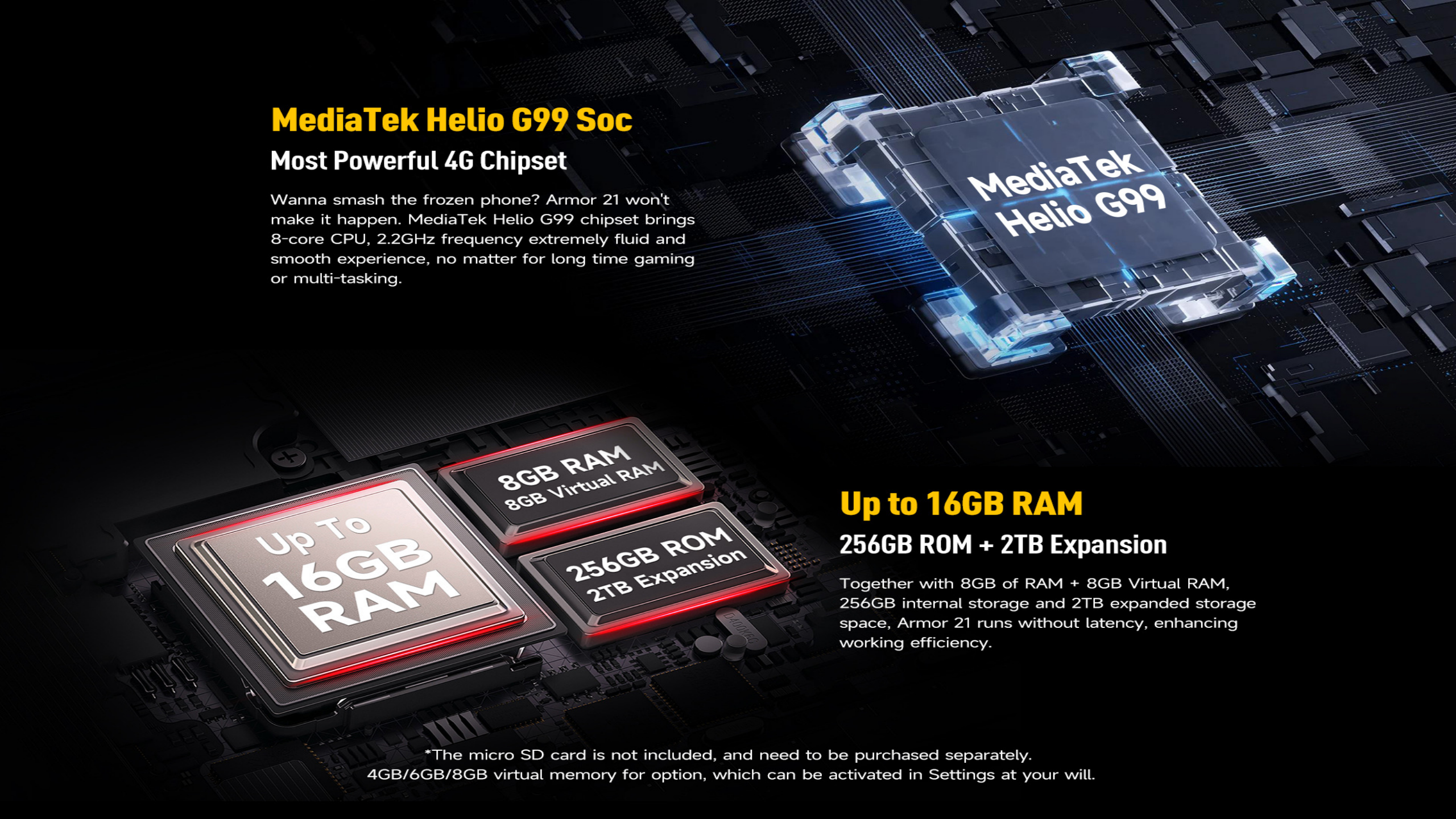
Armor 21 sports a 6.58-inch FHD+ screen with resolution of 1080 x 2408. 120Hz extra-high refresh rate and 240Hz touch sampling rate make it extremely sensitive for task processing, browsing, game playing. Fine display and operation fluency immerse yourself in it.



120Hz
Extra-High Refresh Rate

240Hz
Touch Sampling Rate

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

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.





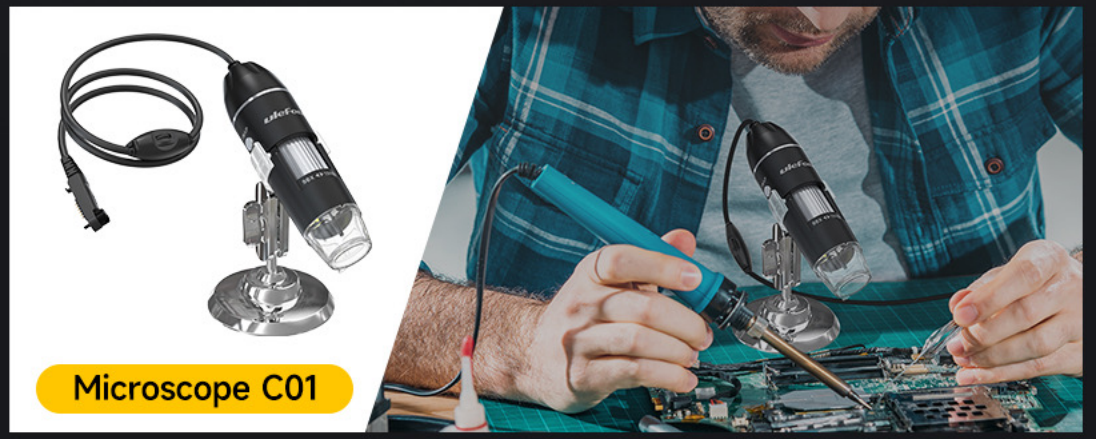
uSmart Expansion Connector

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.

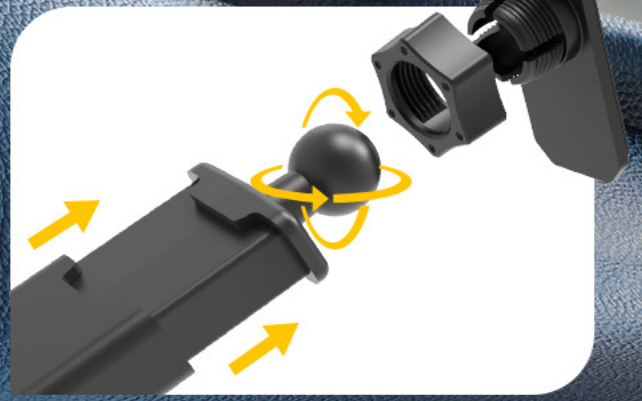


*The Armor case mentioned above, combined with a back clip and a carabiner in one set sold separately.

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.



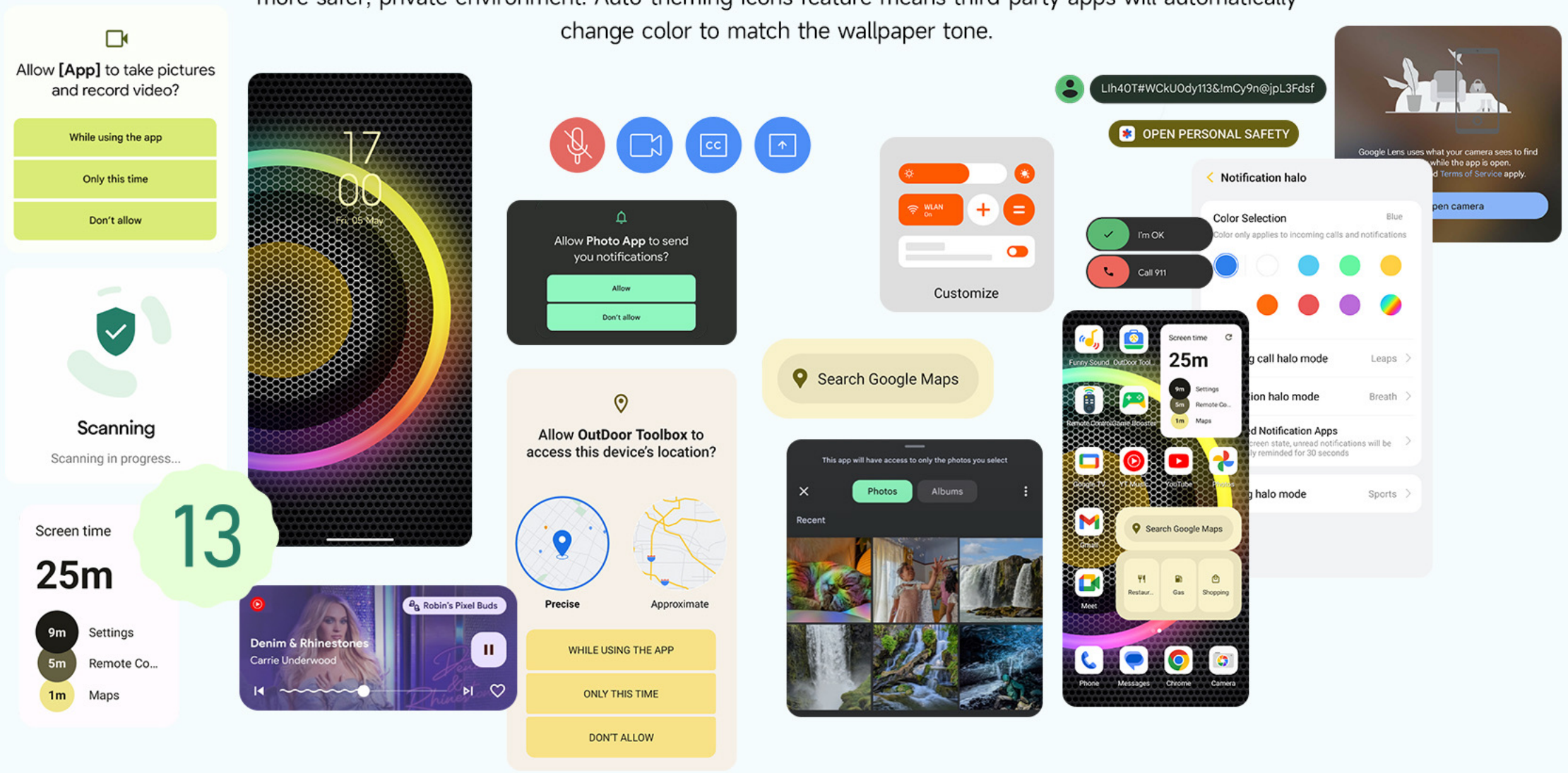


*Armor Mount is used with Armor Case only. More information please refer to the Accessories column.

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.

Noise Test
Compass
Flashlight
Gradienter
Height Meter
Magnifier
Hanging Painting
Alarm Bell
Pedometer
Plumb Bob
Protractor
Barometer





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.

Car Engine
Alarm
Bark
Ash-removing
Draining

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.

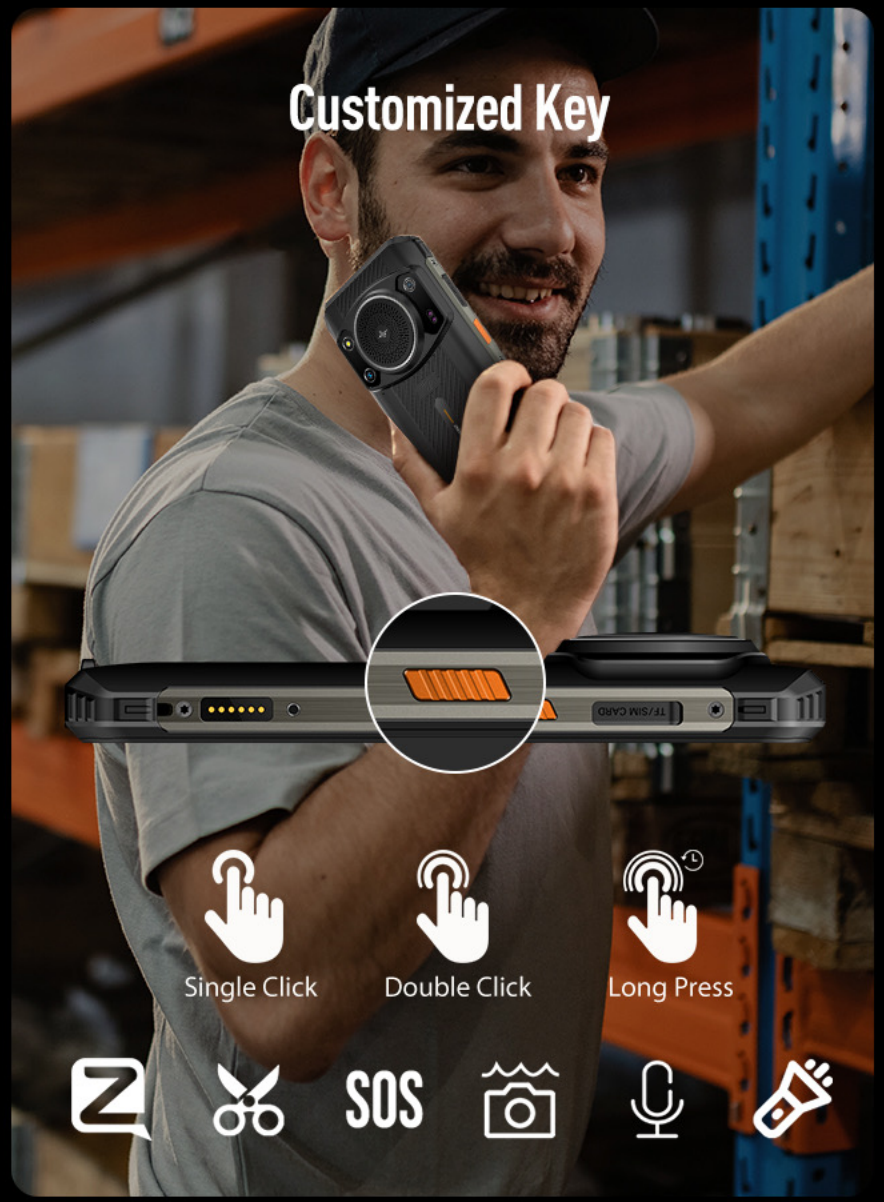


What Other Capabilities in Armor 21

NFC + Google Pay



Customized Key



Underwater Camera



Face Unlock + Fingerprint ID



3-Card Slot



Headset-free FM Radio



Thanks !

www.ulefone.com