

DMR



(Push-To-Talk)

PTT

50MP

Rear Camera

Up to
20GB
RAM

8GB Virtual Memory

256GB
ROM

2TB Expansion Storage



33W
Fast Charging

5.65-inch
FHD+ Display



16MP
Front
Camera

Helio G99
Soc 6nm



MediaTek
Helio | G99

IP68/IP69K



Waterproof
ShockProof
Dust-Proof

Powerful Battery

10850mAh



Front-Facing Dual Speaker



3-Card
Slot



NFC
Google Pay

12

Android 12



Face Unlock + Fingerprint ID

Armor 20WT



OS	Android 12
Platform	MediaTek Helio G99 Octa-core 2.2GHz Chipset
Bands	GSM: B2/3/5/8 CDMA: 1X(BC0/BC1) WCDMA: B1/2/4/5/6/8/19 LTE-FDD: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66 LTE-TDD: B34/38/39/40/41
Data Connectivity	FDD: DL300Mbps/UL150Mbps WiFi: 802.11 a/ac/b/g/n (2.4/5GHz) Bluetooth: BT5.2
Dimensions	164.8*79.2*18.15 mm
Display/TP	5.65-inch FHD+ Screen, 1080*2160
Camera	16MP front camera 50MP Rear camera
Memory	Up to 20GB RAM (8GB Virtual RAM), 256GB ROM, 2TB Expandable
Battery	10850mAh Battery
Connectors	Type-C Charging Port
Multimedia	Video Player, Recorder, Audio Player
Others	Light sensor, Proximity sensor, Gravity sensor, Acceleration sensor, Geomagnetic sensor, Gyro sensor, Coulomb counter, Pedometer, Air pressure sensor, Infrared sensor, NFC

*The product specification is subject to the final configuration.

COMPONENTS

Size: 164.8*79.2*18.15 mm(5.65-inch)



SPECIFICATION

■ DESIGN

Phone Size: 164.8*79.2*18.15 mm
Keys: Power, Volume+/-, PTT Key
Colors: Black

■ DISPLAY

5.65-inch FHD+ Screen
1080*2160 Pixels
427 PPI, 18:9 aspect ratio
5 Point Capacitive Multi-touch

■ CAMERA

50MP Rear Camera
16MP Front Camera
2 Flashes
Video Capture: 1080P

■ PHONE FEATURES

MediaTek Helio G99 Soc nm
Octa-core up to 2.2GHz
Android 12
Face Unlock, Fingerprint ID

■ MEMORY

Up to 20GB RAM (8GB Virtual RAM)
256GB Storage
2TB Expandable

■ SENSOR

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

■ BATTERY

10850mAh Lithium-ion polymer battery
Talk time: 45H
Standby time: 600H

■ CONNECTIVITY

GSM: B2/3/5/8
CDMA: 1X(BC0/BC1)
WCDMA: B1/2/4/5/6/8/19
FDD-LTE:
B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28A/28B/66
TDD-LTE: B34/38/39/40/41
FDD: DL300Mbps/UL150Mbps
WiFi: 802.11 a/ac/b/g/n (2.4/5GHz)
Bluetooth: BT5.2
Type-C, USB 2.0
GPS+Glonass+Galileo+Beidou
Nano+Nano+Micro SD

■ SOUND

1325 Box Audio Chipset, AW88394 Smart PA
Supported formats:
MID/FLAC/MKA/MP3/M4A/AAC/AMR/OGG/MP2

■ 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
2 x Screwdriver
1 x Lanyard
2 x Antenna Port Cover
1 x Multi-language User Manual
1 x Intercom User Guides
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
Screwdriver (2 pcs)
Lanyard
Antenna Port Cover (2 pcs)
Multi-language user manual
Intercom User Guides
Multi Function Instruction card
Charging Instruction card
Safety Prompt card
Warranty card

Communication Has No Limits

PTT (PUSH-TO-TALK) OVER DMR

DMR



Removable antenna

The perfect integration of a traditional DMR PTT and a rugged phone makes our glorious Armor 20WT. Its antenna is free to assemble and disassemble, thus carrying everywhere conveniently. Much longer battery life than common walkie talkie thanks to the 10850mAh mighty battery.



REAL-TIME COMMUNICATION LIKE FACE-TO-FACE

400-480MHz higher frequency range, the distance between you and your speaking partners can be wider. Intercommunicate with one or multiple intercom devices, you are always talking to your partners straightway like face-to-face communication, making team work with highly efficient.



400-480_{MHZ}
Frequency Range

Multi-device
Connection



Efficient
Communication



VERSATILE INDUSTRY SOLUTIONS

Great communication handset for workers in areas of Subway or Rail Transit, Petroleum or Chemical, Fishery or Forestry, Warehousing and Logistics, Coal Mine, Building Construction, Emergency Rescue, Law Enforcement, Electricity or Energy.



Sea level

7-10KM



Office Building

1-39 Floor



Urban Area

3-5KM




Driving Status

0.5-3KM



Hardware (DMR) Intercome **VS** Software (APP) Intercome

Category	Hardware Intercom	Software Intercom
Network	Offline (Great for outdoor or remote areas off the grid)	Online (Unavailable in areas without LTE/WiFi)
Latency	None (Instant connection without relying on LTE/WiFi)	Affected by LTE/WiFi, resulting in delayed or dropped connection
Battery Life	Longer (Thanks to extended communication)	Shorter (Due to running of the app with large data and processing)
Communication Security	Better (digital encryption technology)	Lower (Risk of being monitored)
Call Quality	Clearer (Better ability of anti-interference, noise and transmission filtering)	Poorer (Low anti-interference ability over network)



Twins Sound Powerhouse

FRONT-FACING DUAL SPEAKER

Two bilateral speakers on the front won't be blocked by your gaming hands. With max 100dB loudness, music and ringtone put out clear sound to cover wider range. Immersive impression would overwhelm you when you are playing games or watching movies.

BIGGER CAPACITY, MORE CAPABILITIES

Even with more features like DMR PTT, Armor 20WT packs a powerful 10850mAh battery to drain for several days. Never worry about low battery but immerse in your time of music, movies or games. 33W fast charging makes the battery bar to hold for 2 days by just 10 minutes charging. OTG reverse charging might give you an emergency help.



33W
Fast Charging



600 Hrs
Standby Time



45 Hrs
Listening Time



14 Hours
Video Time



OTG
Reverse Charging



30 Minutes
1.5M Water Deep



1.5M High
1.5M Drop Resistance



24 Hrs
1M Concrete Deep



A Nimble Brain Center

Helio G99 SOC 6NM

The Helio G99 brings the G-series to an upgraded 6nm production process with 2 x Cortex-A76 cores clocked at up to 2.2 GHz and 6 x Cortex-A55 cores clocked at up to 2 GHz. Such a high-performance CPU under the hood boost performance for gaming, streaming, multitasking and so on.



6 nm
Advanced Process



2.2 GHz
Big Core CPU



15% Faster
Gaming Performance

All In, All Stay

UP TO 20GB RAM
256GB ROM

12GB RAM + 256GB ROM is near the top level. If you activate the 8GB virtual memory, you get total 20GB of phone storage, making lightning browsing, multi-tasking and gaming on the go. Still 2TB expandable with a microSD. No storage anxiety for mass pictures, videos, files, music, etc.

12GB RAM
8GB Virtual Memory

256GB ROM
2TB microSD

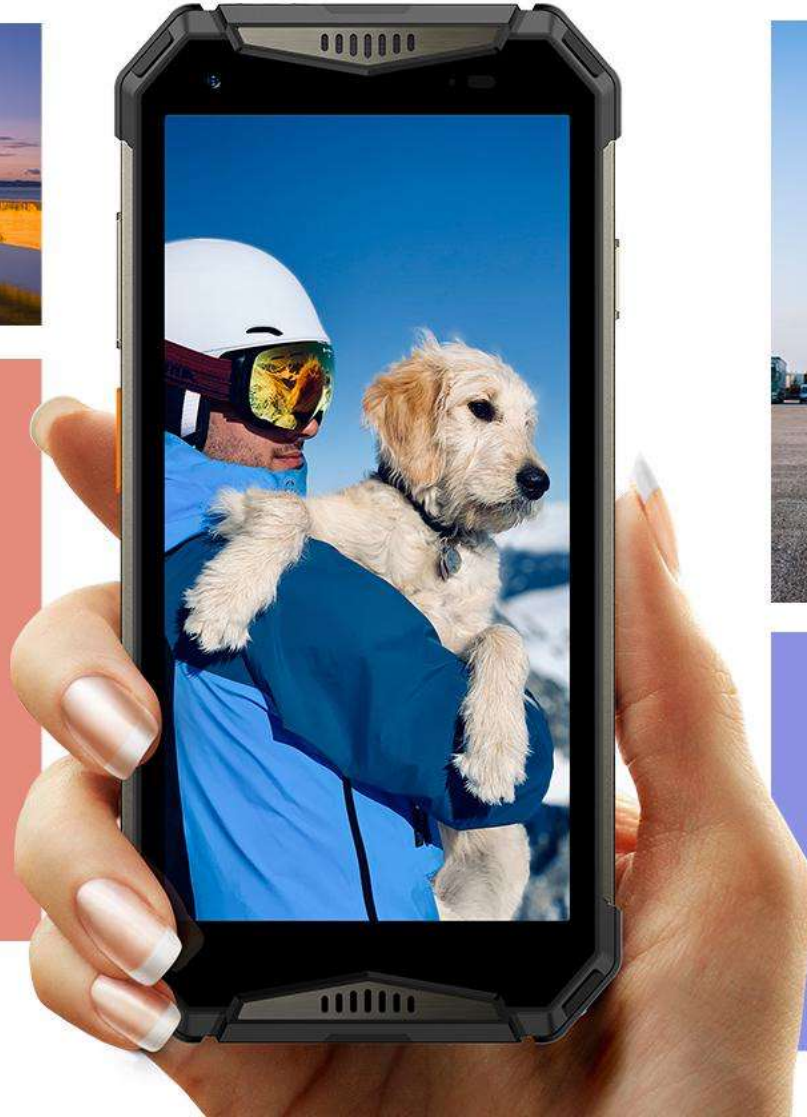
*The 8GB Virtual Memory can be activated in Settings to top out at 20GB of RAM. Some software might not be compatible with this feature.

*The microSD card is not included and can be purchased separately if needed.

50MP

Rear Camera

Incredible low light photography. Comes with Samsung JN1 CMOS sensor, the 50MP rear shooter takes super clear pictures which are still very clear if zoom in to see details. Full details endures no matter for capturing portrait or scenery.



16MP FRONT CAMERA



16MP Sony camera is quite a configuration for clear, bright selfies or video calls. Enhanced with the Portrait mode, getting some light filters and simple optimization, you look more clearer in the front camera.



16MP SONY CAMERA

Feed Your Visual Sense

5.65-INCH FHD+ DISPLAY

Tipped with a 5.65 inches all screen, a single hand is in control. 1080*2160 FHD+ resolution offers wonderful color and splendid clarity. Fingertips flow with silky games. Corning® Gorilla® Glass screen has 2X the ability to survive drops and wear.



5.65
FHD+ Display



18:9
1080*2160 PX



Corning®
Gorilla® Glass

Versatile Outdoor Helper

MULTI-USE DIGITAL TOOLKIT



Compass



Gradiometer



Flashlight



Hanging paint...



Alarm bell



Plumb bob



Protractor



Noise test



Height Meter



Magnifier



Pedometer



Barometer

Toolbox apps such as the Height Meter for building workers and other useful software tools for hiking, outdoor or home improvement make your life become easier without carrying physical tools to wear you out.



Customize Your Own Style

PURE ANDROID 12

By "Material You", you can design the user interface to your liking with a range of different color and material options. Your safety and privacy have been improved by more serious system control. No ads or pre-installed apps but a stock and pure operating system.



Richer Online Experience
4G GLOBAL BANDS

Off the grid often? Armor 20WT supports much wider frequency bands to settle the problem. Surfing the internet straightway and enjoying HD calls.

Global Network:

GSM: B2/3/5/8

CDMA: 1X(BC0/BC1)

WCDMA: B1/2/4/5/6/8/19

LTE-FDD: B1/2/3/4/5/7/8/12/13/17/

18/19/20/25/26/28A/28B/66

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





*The Armor case with 1 buck clip and 1 carabiner is one set sold separately. More informations please refer to the Accessories column.

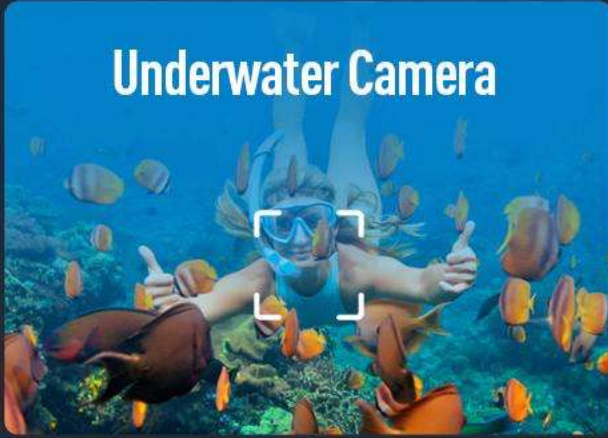


*Armor Mount is used with Armor Case only. More informations please refer to the Accessories column.



MORE CAPABILITIES

Underwater Camera



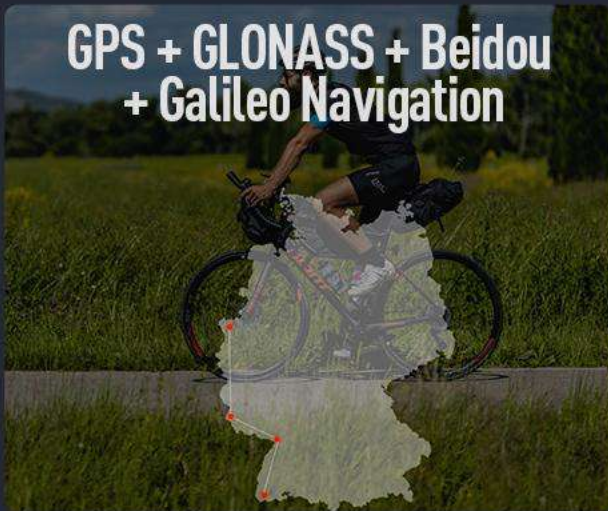
NFC + Google Pay



Face Unlock + Fingerprint ID



**GPS + GLONASS + Beidou
+ Galileo Navigation**



3-Card Slot



Gloves Mode

