SAMSUNG

Samsung Galaxy S20 Ultra 5G 17,5 cm (6.9") Android 10 USB Type-C 12 GB 128 GB 5000 mAh Black

Brand : Samsung   **Product family:** Galaxy   **Product code:** SM-G988BZKDEUA

Product name : S20 Ultra 5G

- Capture the world around you like never before
- Experience every moment in full, edge-to-edge clarity
- Speed, power and performance fit for the future
- Stay in charge longer than ever before
- Truly epic power for truly epic days
- Keep focused on what matters most to you

6.9", Quad HD+ (3200x1440)Dynamic AMOLED 120Hz, Exynos 990 Octa-Core 7nm, 108MP+12MP+48MP+TOF/40MP, 5G, Wi-Fi 6, 5000mAh, Android 10
Samsung Galaxy S20 Ultra 5G . Display diagonal: 17,5 cm (6.9"), Display resolution: 3200 x 1440 pixels. Processor frequency: 2,73 GHz, Processor family: Samsung Exynos, Processor model: 990. RAM capacity: 12 GB, RAM type: LPDDR5, Internal storage capacity: 128 GB. Rear camera resolution (numeric): 108 MP, Rear camera type: Quad camera. Operating system installed: Android 10. Battery capacity: 5000 mAh. Product colour: Black. Weight: 220 g

Display

Display diagonal *	17,5 cm (6.9")
Screen shape	Curved edge screen
Display technology marketing name	Dynamic AMOLED 2X
Panel type	OLED
Display glass type	Gorilla Glass
Gorilla Glass version	Gorilla Glass 6
Display resolution *	3200 x 1440 pixels
Display number of colours	16 million colours
Native aspect ratio	20:9
Maximum refresh rate	120 Hz
Touch technology	Multi-touch
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)
Touchscreen type	Capacitive
Pixel density	511 ppi
Rounded display corners	✔

Processor

Processor family *	Samsung Exynos
Processor model *	990
Processor cores	8
Processor frequency *	2,73 GHz
64-bit computing	✔

Network

Near Field Communication (NFC)	✔

Subscription

Subscription type *	No subscription

Ports & interfaces

USB port	✔
USB connector type	USB Type-C
USB version	3.2 Gen 1 (3.1 Gen 1)
ANT+ enabled	✔

Messaging

Short Message Service (SMS)	✔
Multimedia Messaging Service (MMS)	✔
Instant messaging (IM)	✔
Chat	✔
E-mail	✔
Text prediction system	✔

Navigation

GPS (satellite)	✔
GLONASS	✔
BeiDou	✔
Galileo	✔

Processor

Processor lithography	7 nm
Cores frequencies	2x 2.73GHz + 2x 2.5GHz + 4x 2.0GHz

Storage

RAM capacity *	12 GB
RAM type	LPDDR5
Internal storage capacity *	128 GB
Compatible memory cards *	MicroSD (TransFlash)
Maximum memory card size	1 TB
USB mass storage	✔

Camera

Rear camera sensor size	1/1.33"
Rear camera resolution (numeric) *	108 MP
Second rear camera resolution (numeric)	12 MP
Third rear camera resolution (numeric)	48 MP
Rear camera resolution	12000 x 9000 pixels
Rear camera aperture number	1,8
Second rear camera aperture number	2,2
Third rear camera aperture number	3,5
Fourth rear camera aperture number	1
Rear camera pixel size	0,8 μm
Second rear camera pixel size	1,4 μm
Third rear camera pixel size	0,8 μm
Rear camera field of view (FOV) angle	79°
Second rear camera field of view (FOV) angle	120°
Third rear camera field of view (FOV) angle	24°
Optical zoom	10x
Digital zoom	100x
Front camera type *	Single camera
Front camera resolution (numeric) *	40 MP
Front camera aperture number	2,2
Front camera pixel size	0,7 μm
Front camera field of view (FOV) angle	80°
Rear camera flash *	✔
Flash type	LED
Video capture resolution (max)	7680 x 4320 pixels
Maximum frame rate	960 fps
Resolution at capture speed	1280x720@30fps, 1280x720@960fps, 1920x1080@240fps, 1920x1080@30fps, 1920x1080@60fps, 3840x2160@30fps, 3840x2160@60fps
Video recording modes	720p, 1080p, 2160p
Rear camera type *	Quad camera
Auto focus	✔
Zoom capability	✔
3D depth rear camera	✔
Video recording	✔
Video stabilizer	✔
Image stabilizer	✔
Geotagging	✔
Multi-shot	✔

Navigation

Position location *	✔
Wi-Fi positioning	✔

Design

Form factor *	Bar
Product colour *	Black
Colour name	Cosmic Black
Protection features	Dust resistant, Water resistant

Performance

Video call	✔
Fast charging	✔
Wireless charging	✔
Fingerprint reader	✔
Face recognition	✔
Personal info management (PIM)	Alarm clock, Calculator, Calendar, Notes
Speakerphone	✔
Flight mode	✔
Personalization	Icons, Menu, Shortcuts
Support for contact groups	✔
Microphone mute	✔
Themes	Wallpapers
USB On-The-Go support	✔
Vibrating alert	✔

Multimedia

Speakers	stereo
Supported video modes	720p, 1080p, 2160p, 4320p
Audio system	Dolby Atmos
Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, WMA, XMF
Video formats supported	3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Image formats supported	BMP, GIF, HEIF, JPEG, PNG, WBMP, WEBP

Call management

Call waiting	✔
Call divert	✔
Call hold	✔
Caller ID	✔
Conference call	✔
Speed dialling	✔
Call timer	✔

Software

Platform *	Android
Operating system installed *	Android 10
App distribution platform	Google Play
Google applications	Google Maps, Google Play
Virtual assistant	Samsung Bixby

Battery

Removable battery	✘
Battery capacity *	5000 mAh
Talk time (4G)	25 h
Browsing time (Wi-Fi)	18 h
Browsing time (4G)	17 h

Camera

Self-timer	✔
Night mode	✔

Network

Mobile network generation *	5G
SIM card type *	NanoSIM + eSIM
2G standards	Edge, GPRS, GSM
3G standards *	HSDPA, HSPA+, HSUPA, UMTS
4G standard *	LTE
Wi-Fi	✔
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Bluetooth *	✔
Bluetooth version	5.0
3G bands supported	850,900,1900,2100 MHz
Tethering (modem-mode)	✔
Wi-Fi Direct	✔
MIMO	✔

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Orientation sensor	✔
Barometer	✔
Geomagnetic sensor	✔
Hall sensor	✔

Endurance

International Protection (IP) code *	IP68

Weight & dimensions

Width	76 mm
Depth	8,8 mm
Height	166,9 mm
Weight *	220 g

Certificates

Head SAR (EU)	0,66 W/kg
Body SAR (EU)	1,557 W/kg

Packaging content

AC adapter included *	✔
Quick start guide	✔
Warranty card	✔
Cables included	USB Type-C
Manual	✔
SIM card ejector pin	✔

Other features

Touchscreen	✔

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