

Detailed camera review of the Xiaomi Mi 11 Ultra

Is the camera of the Xiaomi Mi 11 Ultra phone really good? How is the quality of photos taken with Mi 11 Ultra? beautiful? Detailed review

If you ask which high-end smartphone has been attracting the most attention recently (April 2021), you really can't help but mention the Xiaomi Mi 11 Ultra, a phone that belongs to the 'top notch' of the house. Xiaomi.





And in today's article, let us leave the performance issue aside, because in my opinion it is unnecessary, there is no need to say too much, because with such a 'terrorist' configuration. There is nothing to complain about.

Instead, let's focus on the camera of this machine, because the Xiaomi Mi 11 Ultra is said to have an impressive camera cluster, with significant upgrades in the hardware inside. .

However, if you get to know this Xiaomi Mi 11 Ultra for the first time then you can refer to its hardware configuration through the summary below!

Xiaomi Mi 11 Ultra



📅 Released 2021, April 02
📏 234g, 8.4mm thickness
📱 <> Android 11, MIUI 12.5
💾 256GB/512GB storage, no card slot

📈 92%
 1,070,145 HITS

❤️ 439
 BECOME A FAN

📏 6.81"
 1440x3200 pixels

📷 50MP
 4320p

⚙️ 8/12GB RAM
 Snapdragon 888 5G


🔋 5000mAh
 Li-Po

🗨️ OPINIONS

🔄 COMPARE

🖼️ PICTURES

| | | | |
|----------------------|--|---|----------|
| NETWORK | Technology | GSM / CDMA / HSPA / EVDO / LTE / 5G | EXPAND ▾ |
| LAUNCH | Announced | 2021, March 29 | |
| | Status | Available. Released 2021, April 02 | |
| BODY | Dimensions | 164.3 x 74.6 x 8.4 mm (6.47 x 2.94 x 0.33 in) | |
| | Weight | 234 g (8.25 oz) | |
| | Build | Glass front (Gorilla Glass Victus), ceramic back, aluminum frame | |
| | SIM | Dual SIM (Nano-SIM, dual stand-by) IP68 dust/water resistant (up to 1.5m for 30 mins) | |
| DISPLAY | Type | AMOLED, 1B colors, 120Hz, HDR10+, Dolby Vision, 900 nits, 1700 nits (peak) | |
| | Size | 6.81 inches, 112.0 cm ² (~91.4% screen-to-body ratio) | |
| | Resolution | 1440 x 3200 pixels, 20:9 ratio (~515 ppi density) | |
| | Protection | Corning Gorilla Glass Victus | |
| PLATFORM | OS | Android 11, MIUI 12.5 | |
| | Chipset | Qualcomm SM8350 Snapdragon 888 5G (5 nm) | |
| | CPU | Octa-core (1x2.84 GHz Kryo 680 & 3x2.42 GHz Kryo 680 & 4x1.80 GHz Kryo 680) | |
| | GPU | Adreno 660 | |
| MEMORY | Card slot | No | |
| | Internal | 256GB 8GB RAM, 256GB 12GB RAM, 512GB 12GB RAM UFS 3.1 | |
| MAIN CAMERA | Triple | 50 MP, f/2.0, 24mm (wide), 1/1.12", 1.4µm, Dual Pixel PDAF, Laser AF, OIS | |
| | | 48 MP, f/4.1, 120mm (periscope telephoto), 1/2.0", 0.8µm, PDAF, OIS, 5x optical zoom | |
| | | 48 MP, f/2.2, 12mm, 128° (ultrawide), 1/2.0", 0.8µm, PDAF | |
| | Features | Dual-LED flash, HDR, panorama, 1.1" AMOLED selfie display | |
| Video | 8K@24fps, 4K@30/60fps, 1080p@30/60fps, gyro-EIS, HDR10+ rec. | | |
| SELFIE CAMERA | Single | 20 MP, f/2.2, 27mm (wide), 1/3.4", 0.8µm | |
| | Features | HDR, panorama | |
| | Video | 1080p@30/60fps, 720p@120fps, gyro-EIS | |
| SOUND | Loudspeaker | Yes, with stereo speakers | |
| | 3.5mm jack | No | |
| | | 24-bit/192kHz audio Tuned by Harman Kardon | |
| COMMS | WLAN | Wi-Fi 802.11 a/b/g/n/ac/6e, dual-band, Wi-Fi Direct, DLNA, hotspot | |
| | Bluetooth | 5.2, A2DP, LE, aptX HD | |
| | GPS | Yes, with tri-band A-GPS, GLONASS, BDS, GALILEO, QZSS, NavIC | |
| | NFC | Yes | |
| | Infrared port | Yes | |
| | Radio | No | |
| | USB | USB Type-C 2.0, USB On-The-Go | |
| FEATURES | Sensors | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass, color spectrum | |
| BATTERY | Type | Li-Po 5000 mAh, non-removable | |
| | Charging | Fast charging 67W, 100% in 36 min (advertised) | |
| | | Fast wireless charging 67W, 100% in 39 min (advertised) | |
| | | Reverse wireless charging 10W Quick Charge 4+ Power Delivery 3.0 | |
| MISC | Colors | Ceramic White, Ceramic Black | |
| | Price | About 1200 EUR | |

| Xiaomi Mi 11 Ultra | | |
|---|--|---|
|  | Released | 2021, April 02 |
| | Weight | 234g, 8.4mm thickness |
| | OS | Android 11, MIUI 12.5 |
| | Storage | 256GB/512GB storage, no card slot |
| | | 92% 1,070,145 HITS |
| | | 439 BECOME A FAN |
| Display | 6.81" 1440x3200 pixels | 50MP 4320p |
| RAM | 8/12GB RAM | Snapdragon 888 5G |
| Battery | 5000mAh Li-Po | |
| OPINIONS COMPARE PICTURES | | |
| NETWORK | Technology | GSM / CDMA / HSPA / EVDO / LTE / 5G EXPAND ▾ |
| LAUNCH | Announced | 2021, March 29 |
| | Status | Available. Released 2021, April 02 |
| BODY | Dimensions | 164.3 x 74.6 x 8.4 mm (6.47 x 2.94 x 0.33 in) |
| | Weight | 234 g (8.25 oz) |
| | Build | Glass front (Gorilla Glass Victus), ceramic back, aluminum frame |
| | SIM | Dual SIM (Nano-SIM, dual stand-by) IP68 dust/water resistant (up to 1.5m for 30 mins) |
| DISPLAY | Type | AMOLED, 1B colors, 120Hz, HDR10+, Dolby Vision, 900 nits, 1700 nits (peak) |
| | Size | 6.81 inches, 112.0 cm ² (~91.4% screen-to-body ratio) |
| | Resolution | 1440 x 3200 pixels, 20:9 ratio (~515 ppi density) |
| | Protection | Corning Gorilla Glass Victus |
| PLATFORM | OS | Android 11, MIUI 12.5 |
| | Chipset | Qualcomm SM8350 Snapdragon 888 5G (5 nm) |
| | CPU | Octa-core (1x2.84 GHz Kryo 680 & 3x2.42 GHz Kryo 680 & 4x1.80 GHz Kryo 680) |
| | GPU | Adreno 660 |
| MEMORY | Card slot | No |
| | Internal | 256GB 8GB RAM, 256GB 12GB RAM, 512GB 12GB RAM UFS 3.1 |
| MAIN CAMERA | Triple | 50 MP, f/2.0, 24mm (wide), 1/1.12", 1.4µm, Dual Pixel PDAF, Laser AF, OIS |
| | | 48 MP, f/4.1, 120mm (periscope telephoto), 1/2.0", 0.8µm, PDAF, OIS, 5x optical zoom |
| | | 48 MP, f/2.2, 12mm, 128° (ultrawide), 1/2.0", 0.8µm, PDAF |
| | Features | Dual-LED flash, HDR, panorama, 1.1" AMOLED selfie display |
| Video | 8K@24fps, 4K@30/60fps, 1080p@30/60fps, gyro-EIS, HDR10+ rec. | |
| SELFIE CAMERA | Single | 20 MP, f/2.2, 27mm (wide), 1/3.4", 0.8µm |
| | Features | HDR, panorama |
| | Video | 1080p@30/60fps, 720p@120fps, gyro-EIS |
| SOUND | Loudspeaker | Yes, with stereo speakers |
| | 3.5mm jack | No |
| | | 24-bit/192kHz audio Tuned by Harman Kardon |
| COMMS | WLAN | Wi-Fi 802.11 a/b/g/n/ac/6e, dual-band, Wi-Fi Direct, DLNA, hotspot |
| | Bluetooth | 5.2, A2DP, LE, aptX HD |
| | GPS | Yes, with tri-band A-GPS, GLONASS, BDS, GALILEO, QZSS, NavIC |
| | NFC | Yes |
| | Infrared port | Yes |
| | Radio | No |
| | USB | USB Type-C 2.0, USB On-The-Go |
| FEATURES | Sensors | Fingerprint (under display, optical), accelerometer, gyro, proximity, compass, color spectrum |
| BATTERY | Type | Li-Po 5000 mAh, non-removable |
| | Charging | Fast charging 67W, 100% in 36 min (advertised) |
| | | Fast wireless charging 67W, 100% in 39 min (advertised) |
| | | Reverse wireless charging 10W Quick Charge 4+ Power Delivery 3.0 |
| MISC | Colors | Ceramic White, Ceramic Black |
| | Price | About 1200 EUR |

Impressive camera parameters with 3-camera cluster:

1. The 50MP, f / 2.0 main camera comes with Dual Pixel PDAF, Laser AF, OIS features

2. 48MP, f / 4.1 telephoto camera with 120x zoom
3. 48MP wide angle camera, f / 2.2

Especially as announced by Xiaomi, the main camera of the device is equipped with the latest image sensor developed by Samsung - called ISOCELL GN2.

This new sensor promises to deliver stunning photos in complex lighting conditions, and night photography is also vastly improved.

Here, let's go through a few photos taken in different conditions, to see what Xiaomi equips this Mi 11 Ultra is really impressive.

The first are pictures in well-lit conditions, with different subjects and angles:







You can see, in bright enough conditions, there is nothing difficult with Mi 11 Ultra, the image produces good detail, clear colors.

I was especially impressed with the dynamic range of Mi 11 Ultra, the most elusive details such as the clouds, the sky was extremely well represented and honestly.

The ability to take photos to remove fonts is indispensable for all smartphones today, let's see:





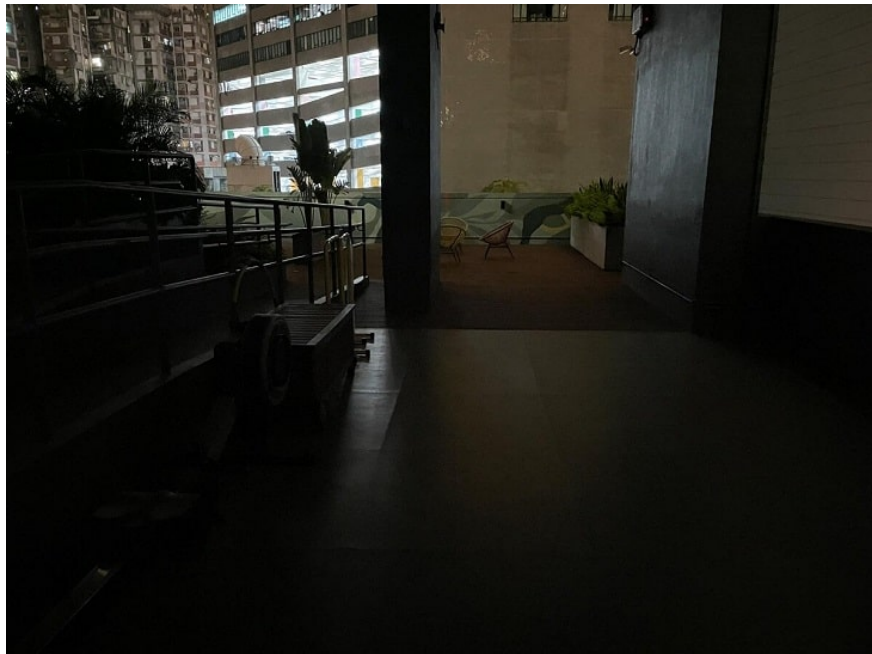




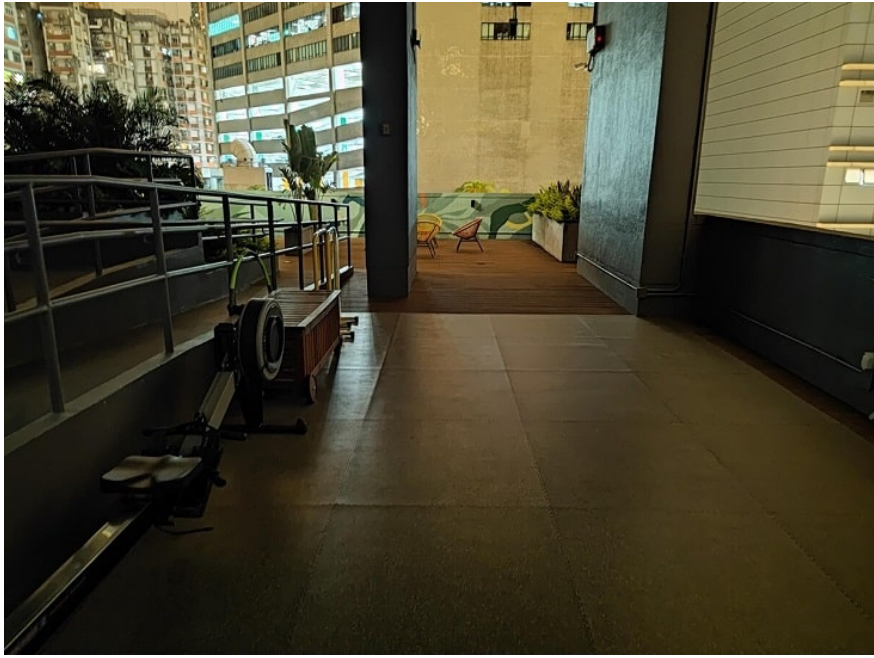
Initially, the ability to remove fonts of Mi 11 Ultra is quite good, the background is blurred well, creating a natural and comfortable feeling for the viewer.

However, if we look closely, we will see that there is a case of deleting the font on the subject in contiguous borders, in my opinion this can be completely overcome by AI algorithms.

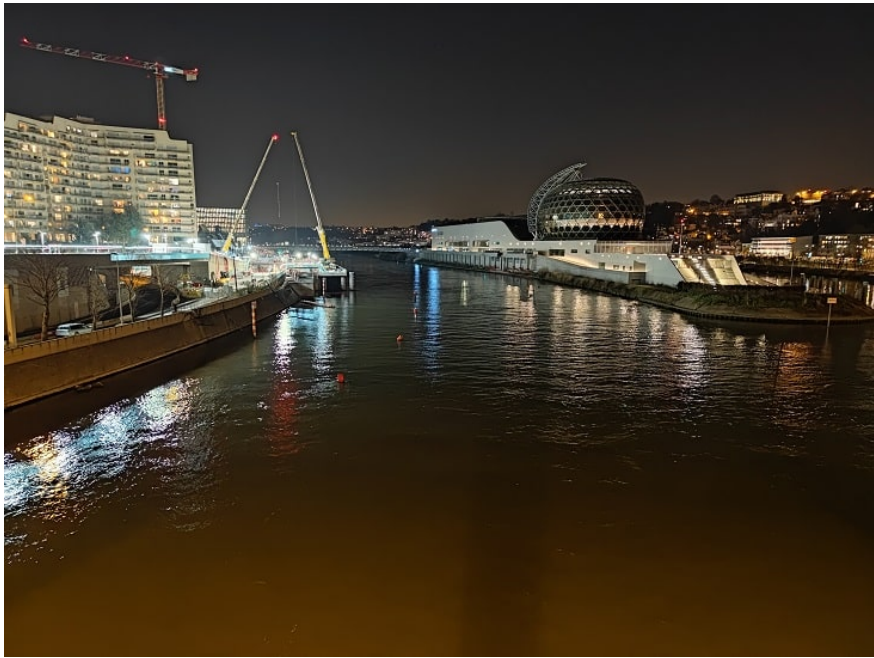
The assessment of the imaging capabilities of a phone today would be flawed without mentioning its night-shooting capabilities:

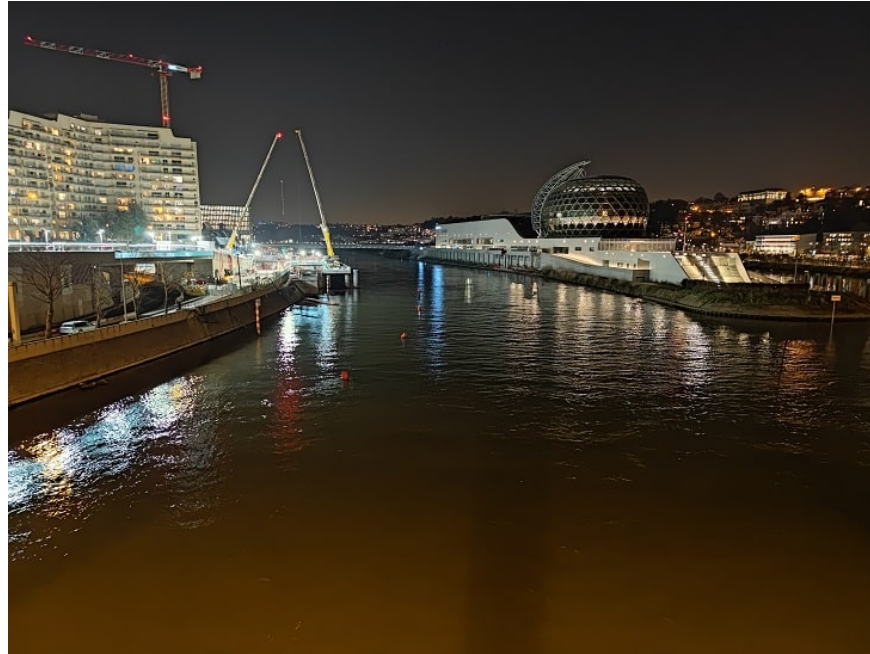


Original photo in low light at night



After turning on night mode





Impressive is what I can comment on the night shooting capabilities of the Xiaomi Mi 11 Ultra, the image is pushed up moderately, not annoying. The colors are true, the details are good, it seems that Samsung's sensor combined with Xiaomi's AI did a great job of it.

As for the 120x Zoom capability, in my opinion, like the previous phone companies, they are advertising that when zooming to this level the image is almost completely broken, and also quite difficult to control the quality.

At today's hardware limits, zooming further than 10x is really tough. Although manufacturers over the years constantly improve their AI to combine with hardware, but it seems that it has not brought good results.

Okay, so through the above article, we have the most basic look at the imaging capabilities of the Xiaomi Mi 11 Ultra. Overall, this is a phone with good imaging capabilities, wide dynamic range, impressive night photography.

But to say 'a reform' or 'superior to competitors in the same segment' is not yet. However, to be fair, the Mi 11 Ultra still deserves to stand with the camera of a flagship flagship.

Thank you for taking the time to read the article. Do not forget to follow TipsMake every day to welcome reading the next new articles!

You finished reading the article "**Detailed camera review of the Xiaomi Mi 11 Ultra**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.