

Vivo V50

Positioned as a mid-range device with an emphasis on stylish design and strong selfie performance (2021)

Design & Build

- **Materials:** Premium glass back with a metal frame
- **Dimensions & Weight:** ~158.3 x 73.6 x 7.9 mm approximately 175–185 grams
- **Finish:** Sleek color options; ergonomic design with slim bezels

Display

- **Type:** 6.44-inch AMOLED panel
- **Resolution:** Full HD+ (2400 × 1080 pixels) with vibrant color reproduction
- **Refresh Rate:** Typically around 90 Hz
- **Protection:** Corning Gorilla Glass 5 or equivalent

Performance

- **Processor:** Qualcomm Snapdragon 765G (or similar mid-range chipset)
- **RAM:** 8 GB (with 128 GB internal storage; expandable via microSD in some variants)
- **GPU:** Adreno 620

Camera System

- **Rear Cameras:**

- **Primary:** ~48 MP sensor with optical image stabilization (OIS)
 - **Ultra-Wide:** 8 MP sensor for wider perspectives
 - **Macro/Depth:** 2 MP sensor for close-up and portrait depth effects
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- **Front Camera:** 44 MP high-resolution sensor designed for selfies and video calls
 - **Video:** 4K video recording with various shooting modes and AI enhancements

Battery & Charging

- **Capacity:** Around 4300 mAh
- **Charging:** Fast charging support (approximately 33W)

Software & Connectivity

- **OS:** Funtouch OS based on Android 10/11 (upgradable)
 - **Connectivity:** 5G, Wi-Fi, Bluetooth 5.0, USB Type-C, dual-SIM support
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Vivo Y29 5G

An affordable 5G model aimed at the budget-to-midrange segment (2022/2023)

Design & Build

- **Materials:** Polycarbonate (plastic) body with a modern, slim profile
- **Dimensions & Weight:** Roughly ~165 x 75 x 9 mm around 190–210 grams
- **Finish:** Available in multiple vibrant color options

Display

- **Type:** 6.58-inch IPS LCD
- **Resolution:** Full HD+ (2408 × 1080 pixels)
- **Refresh Rate:** Typically 90 Hz for smooth scrolling
- **Protection:** Standard durable glass

Performance

- **Processor:** MediaTek Dimensity series (e.g. Dimensity 700 or a similar entry-level 5G chipset)
- **RAM:** Options around 6 GB; storage variants of 64 GB or 128 GB (expandable via microSD)
- **GPU:** Integrated as per chipset specifications

Camera System

- **Rear Cameras:**
 - **Primary:** Approximately 50 MP sensor with AI enhancements
 - **Secondary:** Often includes an additional sensor (macro or depth) depending on the market
- **Front Camera:** 8–16 MP sensor optimized for selfies
- **Video:** 1080p and 4K video recording modes with software stabilization

Battery & Charging

- **Capacity:** About 5000 mAh
- **Charging:** Standard fast charging (around 18W–22W)

Software & Connectivity

- **OS:** Funtouch OS based on Android 12/13
 - **Connectivity:** 5G, Wi-Fi, Bluetooth 5.1, NFC (in select markets)
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Vivo X200 Pro

A high-end flagship featuring top-tier display and camera technology (2023/2024)

Design & Build

- **Materials:** Premium glass back with a robust metal frame
- **Dimensions & Weight:** Approximately 162 mm × 75 mm × 8.5 mm and 200–210 grams
- **Finish:** Elegant, minimalist design with high-grade finishes and IP68 protection

Display

- **Type:** 6.78-inch AMOLED panel
- **Resolution:** QHD+ (approx. 3200 × 1440 pixels) with true-to-life colors
- **Refresh Rate:** Adaptive up to 120 Hz with HDR10+ support

- **Protection:** Latest Corning Gorilla Glass

Performance

- **Processor:** Qualcomm Snapdragon 8 Gen 2
- **RAM:** Options of 12 GB or 16 GB
- **Storage:** 256 GB and 512 GB UFS 4.0 (non-expandable)
- **GPU:** High-performance Adreno series

Camera System

- **Rear Cameras:**
 - **Primary:** 50–64 MP sensor with OIS and advanced computational photography
 - **Ultra-Wide:** 12 MP sensor for expansive shots
 - **Telephoto:** 8–12 MP sensor offering 3× optical zoom
 - **Additional:** May include a dedicated macro or depth sensor
- **Front Camera:** 32 MP sensor designed for high-quality selfies and video calls
- **Video:** 8K and 4K recording capabilities with advanced stabilization

Battery & Charging

- **Capacity:** Around 4700–5000 mAh
- **Charging:** Fast wired charging (up to ~80W) plus wireless charging support

Software & Connectivity

- **OS:** Funtouch OS 13 (or later) based on Android 13
 - **Connectivity:** 5G, Wi-Fi 6E, Bluetooth 5.3, NFC, dual-SIM
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iQOO Neo10

(A sub-brand of Vivo focused on high-performance and gaming, iQOO models share Vivo's design philosophy with enhanced gaming features)

Design & Build

- **Materials:** Premium plastic or glass-back with a metal frame for durability
- **Dimensions & Weight:** Approximately 163mm x 75mm x 8.3mm and 195–205 grams
- **Finish:** Sporty design with gamer aesthetics (often featuring LED accents)

Display

- **Type:** 6.78-inch AMOLED
- **Resolution:** Full HD+ (around 2400 x 1080 pixels)
- **Refresh Rate:** 120Hz for ultra-smooth gaming visuals
- **Protection:** Corning Gorilla Glass (mid-generation protection)

Performance

- **Processor:** Qualcomm Snapdragon 7+ Gen 2 (optimized for gaming efficiency)

- **RAM:** 8 GB or 12 GB LPDDR5
- **Storage:** 128 GB or 256 GB UFS 3.1/4.0
- **GPU:** Integrated Adreno GPU tuned for gaming performance

Camera System

- **Rear Cameras:**
 - **Primary:** 50 MP sensor with OIS and dedicated AI processing
 - **Ultra-Wide:** 8–12 MP sensor for landscape and group shots
 - **Additional:** May include a secondary macro or depth sensor
- **Front Camera:** 16 MP sensor for clear selfies and live streaming
- **Video:** 4K recording with gamer-friendly stabilization features

Battery & Charging

- **Capacity:** Approximately 5000 mAh
- **Charging:** Very fast wired charging (up to 120W in some configurations)

Software & Connectivity

- **OS:** iQOO UI based on Android 12/13, featuring dedicated gaming modes and performance tweaks
 - **Connectivity:** 5G, Wi-Fi 6, Bluetooth 5.2, NFC, dual-SIM
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Vivo Y12a

An entry-level budget smartphone designed for essential performance (2021/2022)

Design & Build

- **Materials:** Polycarbonate body for durability and cost-effectiveness
- **Dimensions & Weight:** Approximately 163.2 mm × 75.7 mm × 9.0 mm and 200–210 grams
- **Finish:** Available in multiple color options with a simple, ergonomic design

Display

- **Type:** 6.51-inch IPS LCD
- **Resolution:** HD+ or Full HD+ (approx. 720–1080 pixels wide, depending on the variant)
- **Refresh Rate:** Standard 60 Hz
- **Protection:** Basic scratch-resistant glass

Performance

- **Processor:** MediaTek Helio P35 or similar entry-level chipset
- **RAM:** Typically 2–3 GB
- **Storage:** 32 GB internal (expandable via microSD)
- **GPU:** Integrated, suitable for everyday tasks

Camera System

- **Rear Cameras:**
 - **Primary:** 13 MP sensor with AI enhancements
 - **Secondary:** 2 MP sensor for depth or macro shots
- **Front Camera:** 5 MP sensor optimized for basic selfies
- **Video:** 1080p recording with basic stabilization

Battery & Charging

- **Capacity:** Around 5000 mAh
- **Charging:** Standard charging speeds (approximately 10–15W)

Software & Connectivity

- **OS:** Funtouch OS (typically based on Android 10/11)
- **Connectivity:** 4G LTE, Wi-Fi, Bluetooth 5.0, dual-SIM

iQOO Neo9

(Also part of the Vivo family, iQOO focuses on delivering near-flagship performance and gaming features)

Design & Build

- **Materials:** Glass or high-quality plastic back with an aluminum frame
- **Dimensions & Weight:** Approximately 163–165 mm in height; around 190–205 grams
- **Finish:** Bold, gamer-oriented design with accent lighting and smooth contours

Display

- **Type:** 6.78-inch AMOLED
- **Resolution:** Full HD+ (around 2400 × 1080 pixels) with excellent color accuracy
- **Refresh Rate:** 120 Hz for fluid gaming and scrolling
- **Protection:** Advanced Gorilla Glass

Performance

- **Processor:** Qualcomm Snapdragon 8+ Gen 1 (flagship-grade performance)
- **RAM:** Options of 8 GB or 12 GB LPDDR5X
- **Storage:** 128 GB/256 GB UFS 3.1 or 4.0 (non-expandable)
- **GPU:** High-performance Adreno GPU for gaming and multimedia

Camera System

- **Rear Cameras:**
 - **Primary:** 50–64 MP sensor with OIS and AI-enhanced imaging
 - **Ultra-Wide:** 8–12 MP sensor for expansive shots
 - **Additional:** May include a secondary sensor (macro or depth) for versatile shooting
- **Front Camera:** Typically around 16–32 MP for high-resolution selfies
- **Video:** Supports 4K video recording with advanced stabilization and dynamic range enhancements

Battery & Charging

- **Capacity:** Around 5000 mAh
- **Charging:** Ultra-fast wired charging (up to 120W in some variants) with robust thermal management

Software & Connectivity

- **OS:** iQOO UI based on Android 13 with dedicated gaming optimizations and performance modes
- **Connectivity:** 5G, Wi-Fi 6/6E, Bluetooth 5.2, NFC, dual-SIM

Summary Note:

Vivo and its sub-brand iQOO together cover a broad spectrum of the smartphone market—from budget-friendly options with Vivo Y12a and Vivo Y29 5G to high-end flagship models like the Vivo X200 Pro, as well as gaming-focused devices such as the iQOO Neo10 and iQOO Neo9. This integrated approach allows Vivo to address diverse consumer needs while ensuring high performance, innovative design, and a competitive edge in imaging and gaming capabilities.