Product specifications – DR590X Plus / DR590X Series

Product Specifications · https://manual.blackvue.com/docs/dr590x-2ch/product-specifications/new-product-specifications-dr590x-plus-series/

Model Name	DR590X Plus(1CH/2CH) / DR590X (1CH/2CH)
Color/Size/Weight	**Front :** Black/Width 111.8 mm x Height 34 mm/103.5 g **Rear :** Black/Width 67.4 mm x Height 25 mm/25.4 g (2CH Only)
Memory	microSD Card (32 GB/64 GB/128 GB/256 GB/512GB)
Recording Modes	Normal recording, Event recording (when impact is detected in normal and parking mode), Parking recording (when motion is detected). When using Hardwiring Power Cable, ACC+ will trigger parking mode. When using other methods, G-sensor will trigger parking mode.
Camera	**Front:** STARVIS™ CMOS Sensor (Approx. 2.1 M Pixel) **Rear:** CMOS Sensor (Approx. 2M Pixel - 2CH Only)
Viewing Angle	**Front:** Diagonal 131°, Horizontal 107°, Vertical 55° **Rear:** Diagonal 136.8°, Horizontal 111.3°, Vertical 57.5° (2CH Only)
Resolution/Frame Rate	<Front - Rear> **1CH :** Front - Full HD @60fps **2CH :** Front - Full HD @30fps / Rear - Full HD @30fps * Frame rate may vary during Wi-Fi streaming.

Image Quality	**1CH :** Highest (Extreme), Highest, High, Normal **2CH :** Highest, High, Normal
Video Compression Mode	MP4
Wi-Fi	Built-in (802.11 b.g.n)
GPS	External (Optional - Dual Band: GPS, GLONASS)
Microphone	Built-in
Speaker (Voice Guidance)	Built-in
LED Indicators	**Front:** Recording LED, GPS LED, Wi-Fi LED, Front Security LED **Rear:** Rear Security LED (2CH Only)
Button	Wi-Fi button: * Press once to turn on/off Wi-Fi.
Sensor	3-Axis Acceleration Sensor
Backup Battery	Built-in super capacitor
Input Power	DC 12V-24V (DC Plug (Ø3.5 x Ø1.1)) to Wires (Black: GND/Yellow: B+/Red: ACC)

Power Consumption	**1CH** Normal Mode (WiFi On/GPS On): 240mA/hour Normal Mode (WiFi Off/GPS On): 200mA/hour Parking Mode (WiFi On/GPS Off): 220mA/hour Parking Mode (WiFi Off/GPS Off): 180mA/hour **2CH** Normal Mode (WiFi On/GPS On): 370mA/hour Normal Mode (WiFi Off/GPS On): 330mA/hour Parking Mode (WiFi On/GPS Off): 340mA/hour Parking Mode (WiFi Off/GPS Off): 300mA/hour * Actual power consumption may vary depending on use conditions and environment.
Operation Temperature	-20 °C – 70 °C (-4 °F – 158 °F)
Storage Temperature	-20 °C – 80 °C (-4 °F – 176 °F)
High Temperature Cut-Off	Approx. 70 °C (158 °F)
Certifications	Front: FCC, CE, RoHS, Telec, WEEE, IC, RCM Rear: FCC, CE, RoHS, WEEE
Software	BlackVue Viewer * Windows 7 or higher and Mac Yosemite OS X (10.10) or higher
Application	BlackVue Application (Android 5.0 or higher, iOS 9.0 or higher)
Others	Adaptive Format Free File Management System