

Clifton Cameras Product Specification

DJI RS 3 Pro Gimbal Full Spec

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| Peripheral | Accessory Port | RSA/NATO Ports 1/4"-20 Mounting Hole Cold Shoe Video Transmission/Focus Motor Port (USB-C) RSS Camera Control Port (USB-C) Focus Motor Port (USB-C) |
| Peripheral | Battery | Model: BG30-1950 mAh-15.4V Type: LiPo 4S Capacity: 1950 mAh Energy: 30 Wh Max. Runtime: 12 hours^[1] Charging Time: Approx. 1.5 hours (using 24W charger; it is recommended to use QC 2.0 or PD protocol chargers) Suggested Charging Temperature: 5° to 40° C (41° to 104° F) |
| Peripheral | Connections | Bluetooth 5.0 Charging Port (USB-C) |
| Peripheral | Ronin App Requirements | iOS 11.0 or above Android 7.0 or above |
| Peripheral | Languages Supported by the Touchscreen | English, Simplified Chinese, Traditional Chinese, German, French, Korean, Japanese, Spanish, Portuguese (Brazil), Russian, Thai |
| Working Performance | Tested Payload | 4.5 kg (10 lbs) |
| Working Performance | Maximum Controlled Rotation Speed | Pan: 360°/s Tilt: 360°/s Roll: 360°/s |
| Working Performance | Mechanical Range | Pan axis: 360° continuous rotation Roll axis: -95° to +240° Tilt axis: -112° to +214° |
| Mechanical & Electrical Characteristics | Operating Frequency | 2.400-2.484 GHz |
| Mechanical & Electrical Properties | Bluetooth Transmitter Power | <8 dBm |
| Mechanical & Electrical Properties | Operating Temperature | -20° to 45° C (-4° to 113° F) |



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| Mechanical & Electrical Properties | Weight | Gimbal: Approx. 1,143 g (2.51 lbs) Grip: Approx. 265 g (0.58 lbs) Extended Grip/Tripod (Metal): Approx. 226 g (0.49 lbs) Upper and Lower Quick-Release Plates: Approx. 107 g (0.23 lbs) |
| Mechanical & Electrical Properties | Gimbal Dimensions | Folded: 268x276x68 mm (LxWxH, excluding camera, grip, and the Extended Grip/Tripod) Unfolded: 415x218x195 mm (LxWxH, height includes grip and excludes the Extended Grip/Tripod) |
| DJI Ronin Image Transmitter | Connections | Power/Communication Port (USB-C) HDMI Port (Mini HDMI) RSS Camera Control Port (USB-C) |
| DJI Ronin Image Transmitter | Expansion Port | Cold Shoe |
| DJI Ronin Image Transmitter | Operating Frequency | 2.400-2.484 GHz 5.725-5.850 GHz |
| DJI Ronin Image Transmitter | Weight | 126 g (0.27 lbs) |
| DJI Ronin Image Transmitter | Dimensions | Length: 82x63x24 mm (LxWxH) |
| DJI Ronin Image Transmitter | Transmitter Power (EIRP) | 2.400-2.484 GHz: <25 dBm (FCC) <20 dBm (CE/SRRC/MIC) 5.725-5.850 GHz: <25 dBm (FCC/SRRC) <14 dBm (CE) |
| DJI Ronin Image Transmitter | Battery | Capacity: 2970 mAh Compatible Charger: 5 V/2 A Charging Time: Approx. 2.5 hours Operating Time: Approx. 3.5 hours |
| DJI Ronin Image Transmitter | Transmission Range | 200 m (SRRC/FCC)^[2] 100 m (CE)^[2] |
| DJI Ronin Image Transmitter | Latency | 60 ms |
| DJI Ronin Image Transmitter | Operating Current/Voltage | 900 mA/3.7 V |
| DJI Ronin Image Transmitter | Operating Temperature | 0° to 45° C (32° to 113° F) |
| DJI LiDAR Range Finder (RS) | Accessory Port | Cold Shoe 1/4"-20 Mounting Hole USB-C Port USB-C Power/CVBS/CAN Data Port |

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| DJI LiDAR Range Finder (RS) | Image Sensor | Resolution: 448x298 on the RS touchscreen FOV: 57.4° (horizontal), 44.6° (vertical), 70.1° (diagonal) Frame Rate: 30fps Focal Length: 30mm Equivalent |
| DJI LiDAR Range Finder (RS) | ToF Sensor | Resolution: 240x180 Sensing Range: 0.5 to 14 m^[3] FOV: 57.4° (horizontal), 44.6° (vertical), 70.1° (diagonal) Frequency: 25 Hz Focal Length: 30mm equivalent Distance Error: 1% |
| DJI LiDAR Range Finder (RS) | Machine Learning | Frequency: 30 Hz Tracking Subjects: Can recognize up to five subjects at the same time, and choose one to follow Smart Object Identification: Human face, head, and body |
| DJI LiDAR Range Finder (RS) | Electrical Properties | Power Consumption: 6.8 W Input: 7 to 16 V |
| DJI LiDAR Range Finder (RS) | Operating Temperature | -20° to 45° C (-4° to 113° F) |
| DJI LiDAR Range Finder (RS) | Mechanical Properties | Dimensions: 66x57x24 mm (LxWxH) Weight: Approx. 130 g (0.28 lbs) Mounting Plate Height: 30 mm |
| DJI LiDAR Range Finder (RS) | Lenses that Do Not Need Calibration | DZOFILM Vespida Cyber 35 mm DZOFILM Vespida Cyber 50 mm DZOFILM Vespida Cyber 75 mm |
| Notes | | <ol style="list-style-type: none"> 1. Measured with the equipment in a level and stationary state, the gimbal balanced, three axes in an active state, and the battery only powering the gimbal. 2. In open environments free of obstructions or interference. 3. In environments with a brightness level of 80,000 lux or below. |
| | Red changes in Line 34 made by Mengli on 05.23 | |