Specs

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)
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)
Connections	Bluetooth 5.0 Charging Port (USB-C)
Ronin App Requirements	iOS 11.0 or above Android 7.0 or above
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)
Maximum Controlled Rotation Speed	Pan: 360°/s Tilt: 360°/s Roll: 360°/s
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
Bluetooth Transmitter Power	<8 dBm
Operating Temperature	-20° to 45° C (-4° to 113° F)
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)
Gimbal Dimensions	Folded: 268×276×68 mm (L×W×H, excluding camera, grip, and the Extended Grip/Tripod) Unfolded: 415×218×195 mm (L×W×H, 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)
Expansion Port	Cold Shoe
Operating Frequency	2.400-2.484 GHz 5.725-5.850 GHz
Weight	126 g (0.27 lbs)
Dimensions	Length: 82×63×24 mm (L×W×H)
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)
Battery	Capacity: 2970 mAh Compatible Charger: 5 V/2 A Charging Time: Approx. 2.5 hours Operating Time: Approx. 3.5 hours
Transmission Range	200 m (SRRC/FCC) [2] 100 m (CE) [2]
Latency	60 ms
Operating Current/Voltage	900 mA/3.7 V
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
Image Sensor	Resolution: 448×298 on the RS touchscreen FOV: 57.4° (horizontal), 44.6° (vertical), 70.1° (diagonal) Frame Rate: 30fps Focal Length: 30mm Equivalent
ToF Sensor	Resolution: 240×180 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%
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
Electrical Properties	Power Consumption: 6.8 W Input: 7 to 16 V
Operating Temperature	-20° to 45° C (-4° to 113° F)
Mechanical Properties	Dimensions: 66×57×24 mm (L×W×H) Weight: Approx. 130 g (0.28 lbs) Mounting Plate Height: 30 mm
Lenses that Do Not Need Calibration	DZOFILM Vespid Cyber 35 mm DZOFILM Vespid Cyber 50 mm DZOFILM Vespid Cyber 75 mm

Notes

	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.