

DJI SDR Transmission Specification

[DJI SDR Transmission](#)

Transmitter	Weight	Approx. 145 g (including antennas)
Transmitter	Dimensions	86.5×64×32 mm (L×W×H, excluding antennas)
Transmitter	Ports	SDI Input Port HDMI Input Port 3.5mm Stereo Jack USB-C Firmware Update Port USB-C Power and Gimbal Communication Port
Transmitter	Operating Frequency	SDR Operating Frequency Non-DFS Frequency Band: 2.4000-2.4835 GHz 5.725-5.850 GHz DFS Frequency Band: 5.470-5.725 GHz ^{5.8 GHz is prohibited in some countries/regions. Check local laws and regulations for more information. 5.600-5.650 GHz is not used.} Wi-Fi Operating Frequency 2.4000-2.4835 GHz 5.150-5.250 GHz
Transmitter	Transmitter Power (EIRP)	SDR: 2.4000-2.4835 GHz: < 30 dBm (FCC) < 20 dBm (SRRC/CE/MIC) 5.470-5.725 GHz: < 30 dBm (FCC) < 23 dBm (CE/MIC) 5.725-5.850 GHz: < 30 dBm (FCC) < 14 dBm (CE) < 30 dBm (SRRC) Wi-Fi: 2.4000-2.4835 GHz: < 26 dBm (FCC) < 20 dBm (SRRC/CE/MIC) 5.150-5.250 GHz: < 26 dBm (FCC) < 23 dBm (SRRC/CE/MIC)
Transmitter	Wi-Fi Protocol	802.11b/a/g/n/ac/ax Supports 2x2 MIMO Wi-Fi
Transmitter	Max Bandwidth	SDR: 20 MHz Wi-Fi: 20 MHz
Transmitter	Max Bitrate	SDR: 20 Mbps*

		Wi-Fi: 8 Mbps ^{* Measured in Control mode, with Broadcast mode turned off.}
Transmitter	Power Consumption	8.2 W ^{Measured at a room temperature of 25° C (77° F), when linked in Control mode, at a distance of approximately 10 meters, in a 1T1R setup, with Wi-Fi turned off, using PD for power supply.}
Transmitter	Power Supply	USB-C Power Supply Type 1: 9 V, 2 A (PD protocol) USB-C Power Supply Type 2: 6.8-17.2 V DC NP-F Battery Power Supply Voltage: 6.8-8.4 V
Transmitter	Input Video Format	1080p: 23.98/24/25/29.97/30/50/59.94/60fps 1080i: 50/50.94/60fps (1080i is not available in Broadcast mode). 720p: 50/59.94/60fps
Transmitter	Input Audio Format	SDI embedded, HDMI embedded
Transmitter	Video Transmission System	SDR + Wi-Fi
Transmitter	Video Transmission Latency	SDR: 80 ms* (including camera and screen display latency) 35 ms* (excluding camera and screen display latency) Wi-Fi: 110 ms** ^{* Measured when shooting 1080p/60fps video with Broadcast mode turned off.} ^{** Measured when shooting 1080p/60fps video.}
Transmitter	Video Coding Format	H.264
Transmitter	Max Transmission Distance	SDR: 3 km (FCC)* 2 km (CE/SRRC/MIC)* Wi-Fi: 200 m ^{* Measured in Control mode, with Broadcast mode turned off.}
Transmitter	Operating Temperature	-10° to 40° C (14° to 104° F)
Receiver	Weight	Approx. 145 g (including antennas)
Receiver	Dimensions	86.5×64×32 mm (L×W×H, excluding antennas)
Receiver	Ports	SDI Output Port HDMI Output Port 3.5mm Stereo Jack USB-C Firmware Update and Video Output Port USB-C Power Port
Receiver	Operating Frequency	SDR Operating Frequency Non-DFS Frequency Band: 2.4000-2.4835 GHz 5.725-5.850 GHz ^{5.8 GHz is prohibited in some countries/regions. Check local laws and regulations for more information.}
Receiver	Transmitter Power (EIRP)	SDR: 2.4000-2.4835 GHz: < 30 dBm (FCC) < 20 dBm (SRRC/CE/MIC) 5.725-5.850 GHz: < 30 dBm (FCC)

		<p>< 14 dBm (CE)
 < 23 dBm (SRRC)</p>
Receiver	Max Bandwidth	20 MHz
Receiver	Max Bitrate	<p>20 Mbps
 <sup>Measured in Control mode, with Broadcast mode turned off.</sup></p>
Receiver	Power Consumption	<p>8.3 W
 <sup>Measured at a room temperature of 25° C (77° F), when linked in Control mode, at a distance of approximately 10 meters, in a 1T1R setup, with Wi-Fi turned off, using PD for power supply.</sup></p>
Receiver	Power Supply	<p>USB-C Power Supply Type 1: 9 V, 2 A (PD protocol)
 USB-C Power Supply Type 2: 6.8-17.2 V DC
 NP-F Battery Power Supply Voltage: 6.8-8.4V</p>
Receiver	Output Video Format	<p>1080p: 23.98/24/25/29.97/30/50/59.94/60fps
 1080i: 50/50.94/60fps (1080i is not available in Broadcast mode).
 720p: 50/59.94/60fps
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Receiver	Output Audio Format	PCM
Receiver	Video Transmission System	SDR
Receiver	Video Transmission Latency	<p>80 ms (including camera and screen display latency)
 35 ms (excluding camera and screen display latency)
 <sup>Measured when shooting 1080p/60fps video with Broadcast mode turned off.</sup></p>
Receiver	Video Coding Format	H.264
Receiver	Max Transmission Distance	<p>3 km (FCC)
 2 km (CE/SRRC/MIC)
 <sup>Measured in Control mode, with Broadcast mode turned off.</sup></p>
Receiver	Operating Temperature	-10° to 40° C (14° to 104° F)