Matterport Pro2 3D Camera Specifications

Capture Performance

Measurement speed	30 seconds per rotation
Accuracy at 3.5m	3.5cm (1% of total distance)
Camera Warm Up Time	57 seconds
Capture Resolution	4K square per skybox face
Transfer Time from camera to iPad	3 seconds
Aligning/Processing time on iPad	25 seconds
Number of exposures per HDR frame	5
Depth Resolution	10 points per degree[1]
Output Pano Pixels	134.2 MP, Equirectangular

Scanning

Distance measurement system	Structured light scanner
Wavelength	825 - 830nm
Field of view	360º(horizontal)/ 135º(vertical)
Operation Range	0.8m to 8m

Imaging

Camera system	6.4MP 3-camera system, 134MP equirectangular image, HDR

Physical

Dimensions	9.0" width / 10.25" height / 4.33" depth (230 x 260 x 110 mm)
Weight	7.6 lb (3.5 kg)
Battery	About 8 hours (continuous use) via 2 packs at 77 Whr each, permanently installed. 8 cells per battery, 9.6 Whr per cell.
Charge Time	4.5 hours
Mounting mechanism	Female 3/8"-16 Arca-Swiss-type QR plate, permanently installed.[2]

Environmental

Operating Temperature	50º to 90º F (10 to 32° C)
Storage Temperature	32º to 104º F (0 to 40° C)

Operation

Remote operation	Capture app, iPad pro or iPad[3]
Wireless communication	WiFi 802.11 n/ac 5 GHz[4]

System Performance

Maximum Snapshot Download Resolution	8092 x 4552 pixels @ 70% zoom level (36 MP)[5]
Average Load Time for 3D Showcase	3.5 seconds over WiFi (desktop), 4.5 seconds over LTE[6]
White Balancing	Automatic full-model
3D Data Registration	Automatic

*Specifications subject to change without notice
1. 3600 points at equator, 1800 points at meridian, about 4 million points per pano
2. The quick release adapter plate is permanently installed to the bottom of the camera and cannot be removed.
3. Capture app only runs on iOS. No other operating system is currently supported.
4. WiFi to transfer data from camera to iPad through the Capture app.WiFi to transfer data from camera to iPad through the Capture app. The available modes may be restricted in your country.
5. Other Resolutions: 5664 x 3186 @ 100% (18 MP), 2832 x 1593 @ 200% (4 MP),1888 x 1062 @ 300% (2 MP)
6. Load times are approximate. Real load times will vary depending on your internet connection, the size of the Space, and other factors.