



DENTAL  
**MIDMARK MOBILE TRUE  
 DEFINITION™ SCANNER**  
**TECHNICAL SPECIFICATIONS**



General Specifications and Classifications	
CPU/Graphics	Intel I5 quad core / Intel Iris™ Graphics system
Memory/Storage	16 GB RAM / 512 GB SSD Storage
Operating System	3M™ Linux Distribution (derived from Fedora)
Screen	31 cm (12.2"), 3:2 aspect ratio, Gorilla® Glass 4, PixelSense™ multi-touch
System Dimensions	36.8 cm W x 25.8 cm H x 15.2 cm D (14.5" W x 10.16" H x 6" D)
Internal Battery (for operatories that do not have AC power)	2 full arch scans before recharge, 4 quadrant scans before recharge*
AC Power	100-120 / 200-240 V AC, 50/60 Hz
Weights	
System Weight	2.75 kg (6.06 lb)
Wand with Cable	253 g (8.9 oz)
Wand Dimensions	
Length	254 mm (10")
Wand Tip Width	16.2 mm (0.64")
Wand Tip Height	14.4 mm (0.57")
Maximum Diameter	24.3 mm (0.96")
Wand Cable Length	2 m (6.6 ft.)
Calibration	No field calibration required
Scanning and Processing	
Acquisition Method	Trinocular stereo—proprietary 3D in motion reconstruction
Capture Rate	20 image triplets per second
Average Processing and Upload Time (Quad); 2-minute acquisition (upper/lower/buccal bite)	~30 minutes (presuming 10 Mbps measured upload performance from office WiFi*)
Average Processing and Upload Time (Full arch); 6-minute acquisition (upper/lower/3 bite scans)	~90 minutes (presuming 10 Mbps measured upload performance from office WiFi*)
WiFi and Connectivity	
WiFi	802.11 a/b/g/n/ac
Security	TLS/SSL encryption over WiFi/Internet; Disk encrypted; User controlled login credentials
Ports	123 UDP outbound; 443 TCP outbound; 5222 TCP outbound; 5223 TCP outbound

\*Performance will vary based on office use patterns