rapideye®

Digital
Solutions

MI-1000
Scanner

MI-1000W
Wireless Scanner

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MI-1000

Impressive Performance

Single Jaw 30sec

80 FPS for fast and precise scanning

Rapideye MI-1000 completes a single jaw scan with 20 μm accuracy in less than 30 seconds with image processing at 80 FPS (frames per second).

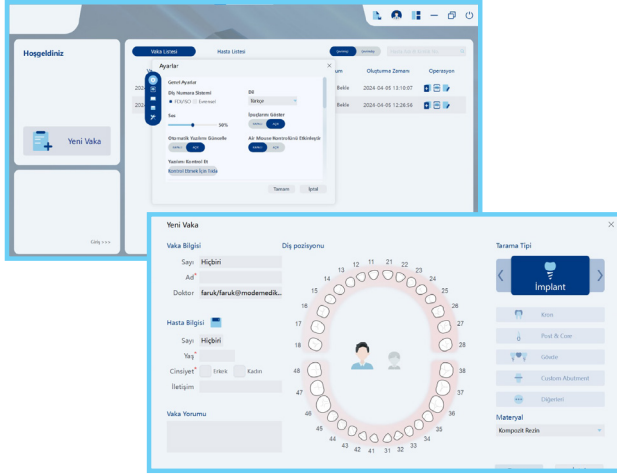## High Accuracy

Single Tooth 10 μm

Full arch 20 μm

Wider Scanning Area
16x14mm

The MI-1000 provides a wide field of view (16x14mm) in a compact and lightweight design. With its 16mm x 14mm wide field of view, the MI-1000 reduces your scan time by collecting more data in a single frame.

User-Friendly Software

Multilingual Interface
Multi-language support makes it easier for users to understand and use all the device's functions.

Cloud Storage
100 GB of free, optionally expandable storage up to 2TB for fast data transfer

Smart Reminder
Smart screens to guidance the user during scanning

Automatic Software Update
Free software update

Online 3D Viewing
View scan files in 3D in the cloud

AI Artificial Intelligence Support
Artificial intelligence prevents data overlaps by automatically removing soft textures.

Scanning Tips (L/S)
Removable and 180° Reversible

With Improved Air Duct Design
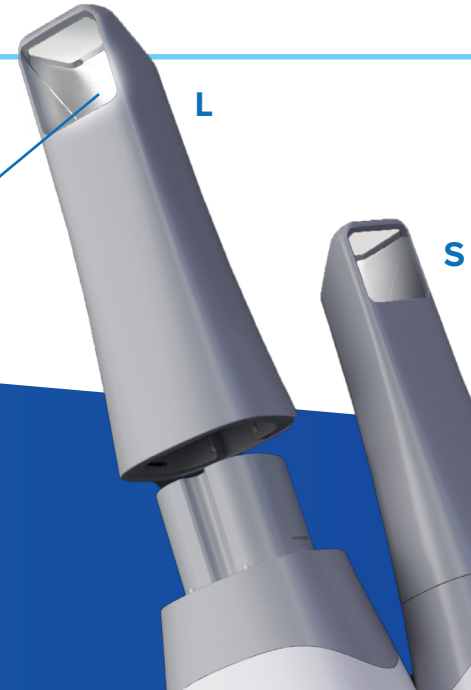Anti-fogging
LED light source
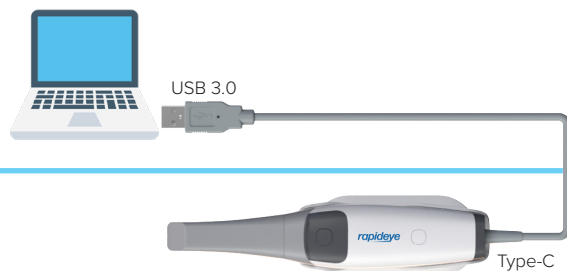
L

S

L **Large**
16mmx 14mm

S **Small**
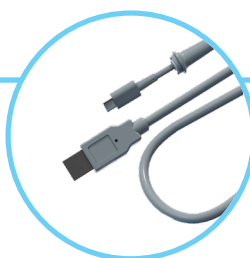12mmx 12mm

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MI-1000

Plug & Play

Rapideye MI-1000 eliminates the mess of multiple cables with the 'Plug-and-Play' principle. The standard USB Type-C port is quickly connected to your PC with a single cable, without the need for fixed or special cables or intermediate adapters.

USB 3.0

Type-C

MI-1000 Case Contents

MI-1000 Scanner
(1 pc)

Replaceable 1.8m USB Type-C Cable
(1 pc)

Scanner Stand
(1 pc)

Scanning Tip L
(3 pc)

Scanning Tip S
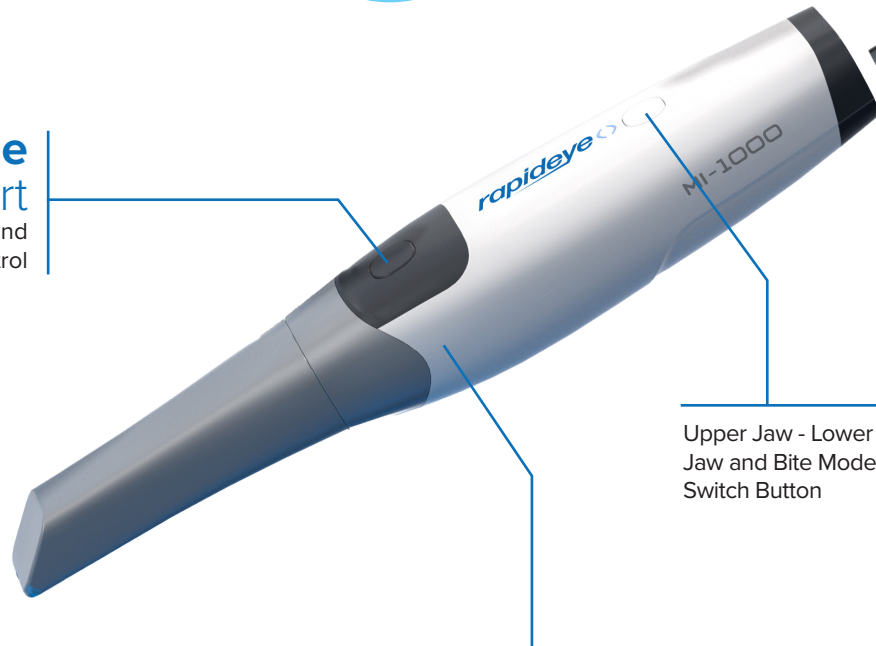(1 pc)

USB Flash Driver
(1 pc)

Ergonomic Design

Extra Light
182 gr.

Air Mouse
Comfort
One button and you're in control

Upper Jaw - Lower Jaw and Bite Mode Switch Button

Automatic Light Adjustment Sensor:
The MI-1000 instantly adapts to different clinical conditions and reflections of scanning surfaces and automatically adjusts the light strength to ensure clear and optimal scan quality.

Automatic Calibration

RAPIDEYE MI-1000 is a device with automatic calibration technology. This feature allows the device to automatically calibrate itself with each use. This ensures uninterrupted performance and saves users the time associated with manual calibrations.

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MI-1000W

Break Free from Cables, Unlock Infinite Possibilities

Say goodbye to cumbersome wired connections, fulfill your scanning needs from all angles, and experience greater ease of use.

High-speed WiFi Connection, Stable Data Transmission

Flagship-level WIFI technology, providing a stable connection with no dropouts. Zero-latency lossless transmission, faithfully reproducing data.

3100 mAh

Hot-Swap Batteries
100 mins continuous scanning

Zero Latency
Wireless

20fps scanning with
6m stable range

Clinical Grade
Precision

16μm full-arch accuracy,
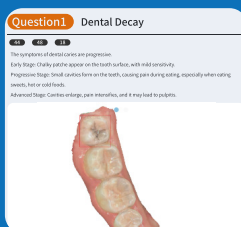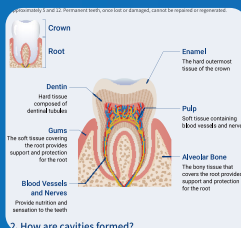8μm single-tooth accuracy

rapideye®
wireless

AI personalized oral health reports,
helping doctors and patients efficiently communicate
diagnoses and treatment plans, bridging the information gap.

Model Display

Question1 Dental Decay

The symptoms of dental caries are progressive.
Early Stage: Chalky patche appear on the tooth surface, with mild sensitivity.
Progressive Stage: Small cavities form on the tooth, causing pain during eating, especially when eating sweets, hot or cold foods.
Advanced Stage: Cavities enlarge, pain intensifies, and it may lead to pulpitis.

Diagnosis Details

Crown
Root
Enamel
The hard outermost tissue of the crown
Dentin
Hard tissue composed of dentinal tubules
Pulp
Soft tissue containing blood vessels and nerves
Gums
The soft tissue covering the root provides support and protection for the root
Alveolar Bone
The bony tissue that covers the root provides support and protection for the root
Blood Vessels and Nerves
Provide nutrition and sensation to the teeth
2. How are cavities formed?

Oral Health Knowledge
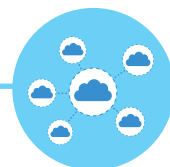
Unified Device Ecosystem

Sync data into one intelligent cloud - command your digital workflow from a single cockpit.

Intelligent cloud storage with global coverage and low latency.

Accelerated Amazon Cloud Global Nodes

Ensuring fast and stable data transmission, supporting remote collaboration and diagnosis worldwide.

Clinics and labs can transmit data and communicate via the cloud, achieving efficient cloud-based management workflows.

Cloud-Local Dual-Mode Orthodontic Simulation

Multi-scenario orthodontic simulation services that combine the advantages of both cloud and local solutions to meet varied clinical needs. Rapideye orthodontic simulation function can generate online treatment plans, providing clear before-and-after comparisons, helping patients build confidence in the treatment plan.

Powerful Battery, Super Stamina

Superior energy management system, enter sleep mode when docked,instantly awaken when picked up. Wireless handle charging, "Charge and Go".

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MI-1000 W

Diverse Applications, Comprehensively Meeting Clinical Needs
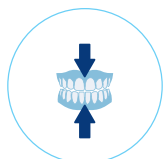
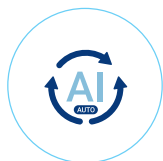|						
Auto/Manual Bite	Enhanced Implant Workflow	Anti-glare Mode	Occlusion Analysis	Intraoral Camera	Undercut Detection	Texture Mapping
Tooth Measurement	Margin Line Drawing	Software Undate	Auto AI	Swap Upper and Lower Jaw	Air Mouse	Model with Base

Dual-sided Detachable Scan Tips

- Safe for 100 high-temperature sterilization cycles.
- Smooth, edgeless design for a comfortable scanning experience.
- No need for powdering or heating.

High-Precision Reproduction, Seamless Scanning

- High-performance image sensor combined with Helios exclusive algorithms deliver precision far exceeding clinical requirements. (16μm full-arch accuracy, 8-micron single-tooth accuracy)

- Upgraded projection chip, 20fps high frame rate for fluid scanning.

- 24bit digital color innovation, reproducing true intraoral colors.

- 20mm large depth of field, enhancing imaging capabilities for challenging clinical areas

- Automatic adaptive color and precision calibration, eliminating the need for cumbersome callbration too s and processes

Streamlined Design, Easy Grip

- Integrated, streamlined design, perfectly fitting your hand.

- 225g lightweight body for an excellent sense of portability.

Motion Control Free Rotation
Rotate and insect scanned data via handle for comprehensive data check.

Silent Fan Anti-fogging
Cilent scanning optimizing the treatment experience

Multifunction Buttons
Dual independent buttons, enablina one-click operation. carefree control.

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MI—1000

Technical Specifications

Scanning Technology	Scanning Area	Standard Scanner Tip (L)	16 x 14mm
		Small Scanner Tip (S)	12 x 12mm
	Full-arch		20.0μm
	Scanning Frame		80 FPS
	Anti-fogging		Available
Handpiece	Weight		182 gr.
	Dimensions		217 x 54 x 24mm
Cable	Length		1.8m/ Replaceable Cable
	Connection		USB 3.0 Type-C
Calibration	Accuracy Calibration		Automatic
	Color Calibration		Automatic
Data	Format		STL / PLY
Scanning Tip	Autoclavability		121°C 30 min. 134°C 4 min.
	Tip Size	Standard Scanner Tip (L)	22 x 18mm
		Small Scanner Tip (S)	18.6x16.7mm
	Reversible Tip		180° Reversible Tip

MI—1000W

Technical Specifications

Accuracy	Full Arch: 16μm
	Single Tooth: 8μm
Scan Field	16mm x 14mm(L)
Speed	20fps
Connection Method	Dedicated WiFi
Connectivity Range	6m
Single Battery Capacity	3100mAh
Single Battery Runtime	100 minutes
Number of Batteries	2 pcs
Defogging Method	Fan
Calibration	Precision Calibration: Calibration-free
	Color Calibration: Calibration-free
Data Output	STL/PLY/OBJ

ORION KIT
Full-arch Photogrammetry Kit

Full Arch Scanning Workflow

Full-arch Photogrammetry Solution

A revolutionary photogrammetry solution designed for edentulous jaw scanning. Achieve precise full-arch scans with our dedicated Orion Kit workflow.

Closed-Loop Accuracy & Deformation Resistance
Scans rigid bodies first to create a stable reference (≈20um accuracy), then captures soft tissue-preventing error amplification from tissue movement.

Efficiency & Adaptability
Parallel scanning and computation save time, while maintaining precision in complex cases (e.g., subgingival depths ≥5mm, poor parallelism).

Streamlined Workflow & Quality Control
Eliminates manual steps like segmentation; includes real-time error alerts for immediate rescanning when needed.

rapideye AnyScreen

One Scanner, Any Screen

With the Rapideye AnyScreen application, you can monitor the scanning process in real time and edit your scan data from your Android or iOS tablet or smartphone, without needing to be in the same room as your computer. This unique feature offers you true mobility and convenience.

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System Requirements

Processor	Intel® Core™ i7-13700H Generation, base frequency 2.4 GHz (or better)
Memory	32GB DDR4, frequency 2666 MHz (or better)
Hard Drive	1T (or more) SSD
Graphics Cards	NVIDIA® GeForce® Only (RTX 4060 6G or higher)
Display	15.6" FHD (1920x1080) (or more)
Port	3.0 high-speed port
Operating System	Windows 10/11

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