RIOSensor+

FACE FOWARD,

INVITES

DENTAL PROFESSIONALS

TO EXPERIENCE

Diagnostic excellence

Radiographs are the starting point for any diagnosis, meaning your sensor has much to live up to. It should produce accurate images that allow you to diagnose confidently while simplifying the acquisition process and not complicating your workflow. Additionally, it should be comfortable for patients to tolerate the imaging experience. RIOSensor+ is up to these challenges, providing exceptional diagnostic power and workflow efficiencies.

Exceptional image quality

• 24 lp/mm true resolution

Imaging processing tools

• Pre-programmed anatomic enhancements
• Endo, perio and DEJ filters
• Optimize image contrast according to diagnostic

Design for durability

• Reinforced casing to resist shock
• Fiber optics protect the detector from X-ray
• Reinforced cable connection points

Improved ergonomics

• Cable wires are lined with Teflon to reduce friction
• Flexible wire combined with smaller cable housing has significant ergonomic benefit

Reliable waterproof

• Fully waterproof sensor supports immersion in disinfecting solution for enhanced hygiene and safety

Enhanced workflow

• TWAIN compatible
• Integration with leading DPMS software
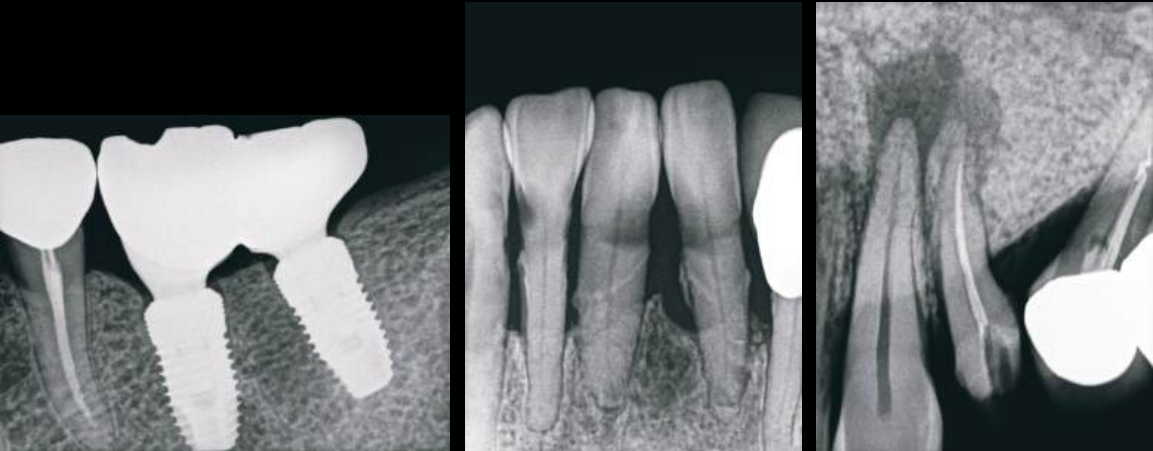
Exceptional image quality

Between theoretical resolution and true resolution, the most crucial thing in diagnosis is the true resolution.

Riosensor+ provides a high true resolution of 24 lp/mm with maximum diagnostic precision and produces exceptionally detailed, crystal-clear images. RIOSensor+ also improves your diagnostic confidence.
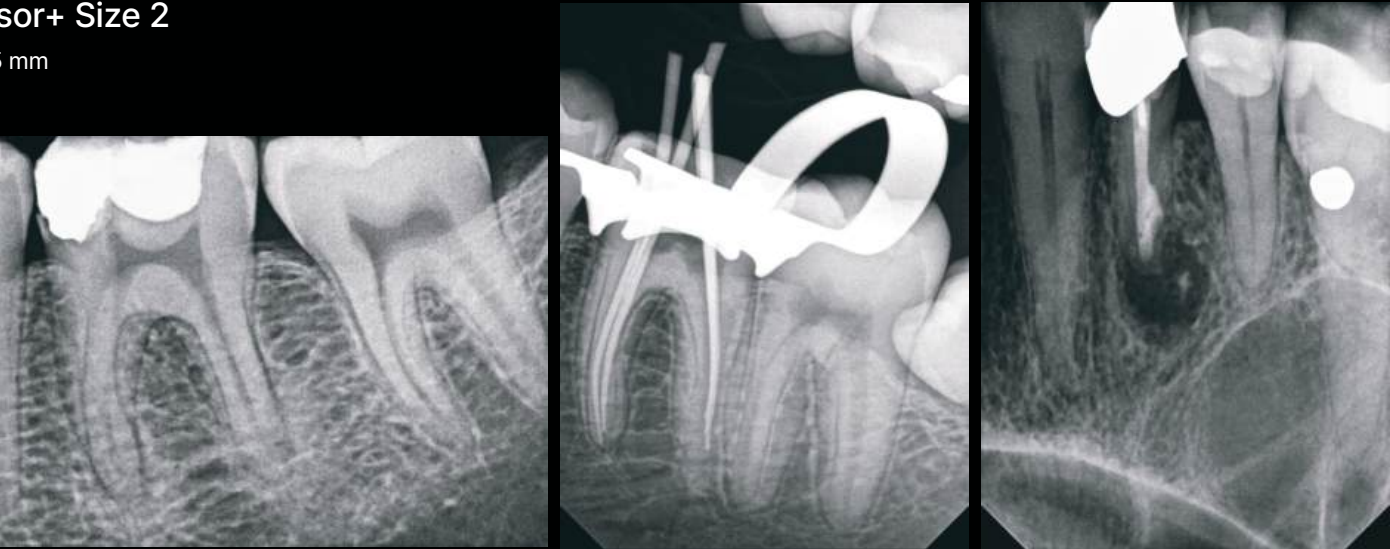
True
Resolution

24 lp/mm

RIOSensor+ Size 1
22.2 × 29.6 mm

RIOSensor+ Size 2
26.6 × 35.5 mm

Optimized imaging processing tools

With the RIOSenser+, your ideal image is just a few clicks away. You can apply three anatomical image enhancement modes to your acquired images: endodontic, periodontic, and dentin-enamel junction.

Anatomical mode and sharpness level
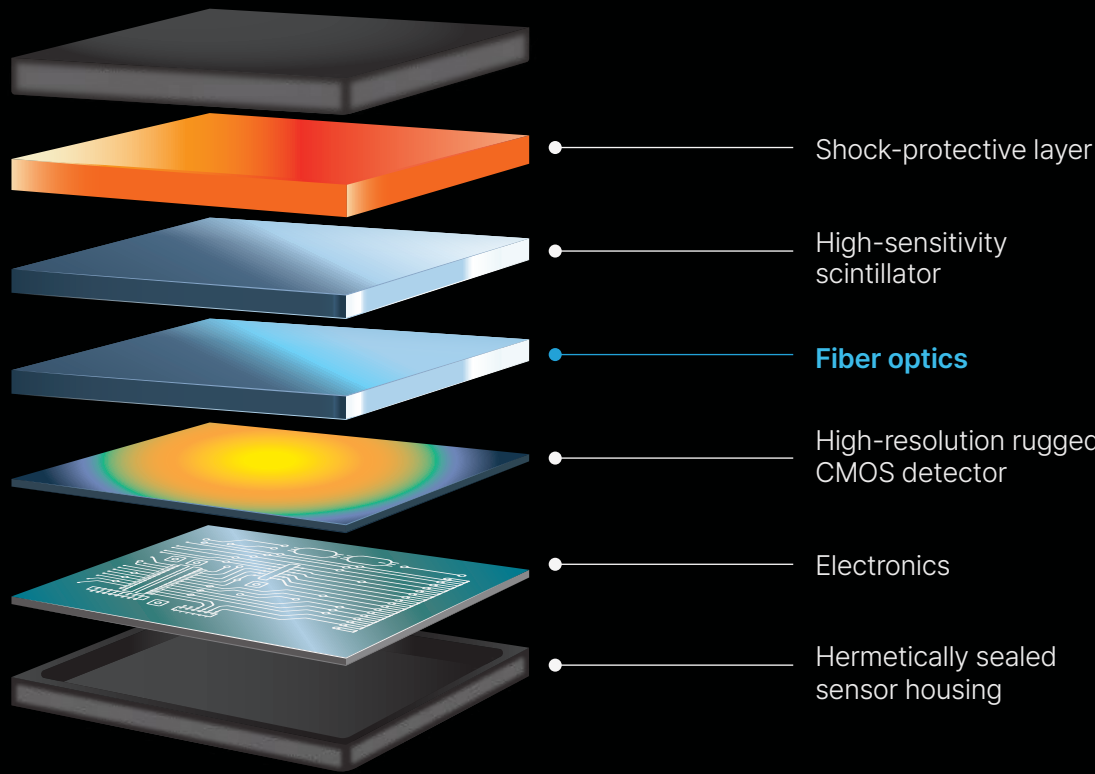3 type mode

Endodontic   Periodontal   DEJunction

Design for durability

RIOSensor+ has built-in parts for strength. It is resistant to impact, bite, and fall by reinforcing cases that are resistant to impact. The fiber optic part protects the detector from X-rays and is safe for unlimited sensor exposure. RIOSensor+ also has powerful long-term hardware and flexible cables that can withstand tens of thousands of tasks and can be used intensively for over a decade.

Shock-protective layer

High-sensitivity scintillator

Fiber optics

High-resolution rugged CMOS detector

Electronics

Hermetically sealed sensor housing

Improved ergonomics

The newly designed cable prioritizes the patient's usability by incorporating a Teflon lining to decrease friction. The cable thickness has been optimized for flexibility and reduced diameter by using an alloy mesh cable shielding material.
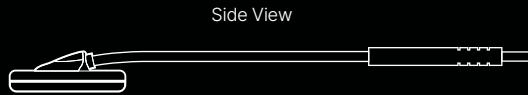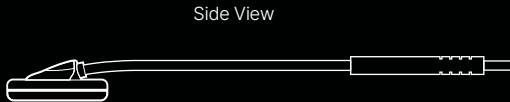
More compact

Rounded corners

20% Thinner cable

Specification

	RIOSensor+ Size 1
Technology	CMOS + Scintillator + Optical Fiber
Pixel dimension	19 microns
True (measured) Resolution	24 lp/mm
Active area	22.2 × 29.6 mm
Overal dimensions	27.6 × 37.7 mm
Sensor plate thickness	7.3 mm
Gray Scale	4096 grey levels (12 bits)
Input voltage (from USB interface)	5V

	RIOSensor+ Size 2
Technology	CMOS + Scintillator + Optical Fiber
Pixel dimension	19 microns
True (measured) Resolution	24 lp/mm
Active area	26.6 × 35.5 mm
Overal dimensions	32.2 × 44.2 mm
Sensor plate thickness	7.3 mm
Gray Scale	4096 grey levels (12 bits)
Input voltage (from USB interface)	5V

Dimension

Side View

Top View

Side View

Top View

Ray