

Product presentation

OPTEO & ONE

3rd generation



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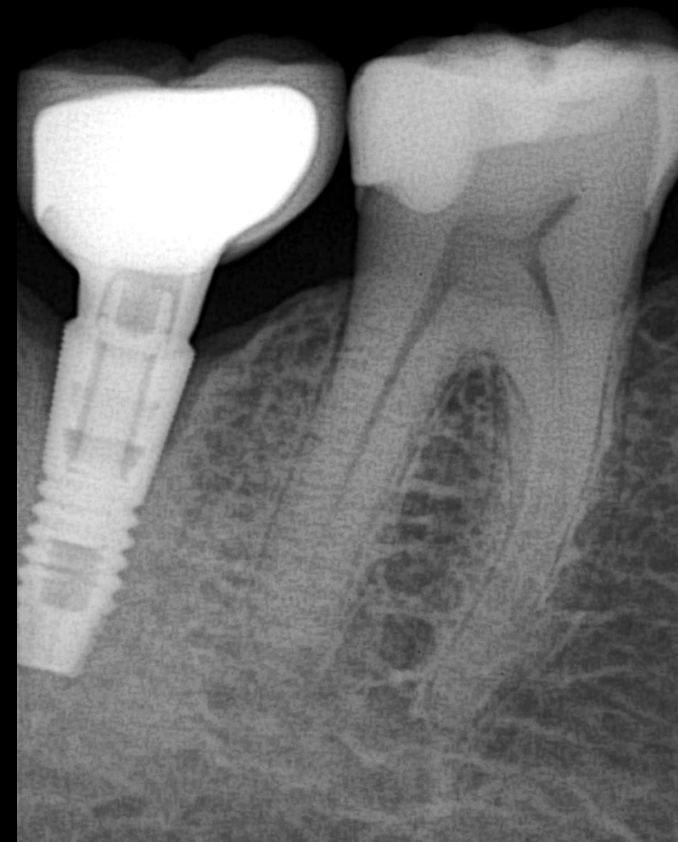


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I. HIGH QUALITY

Ultra HD Image Quality

- Featuring 18.5-micron Ultra HD quality
- Exceptional sharp and detailed intraoral images



II. ALWAYS ON TECHNOLOGY

Sensor Always Ready

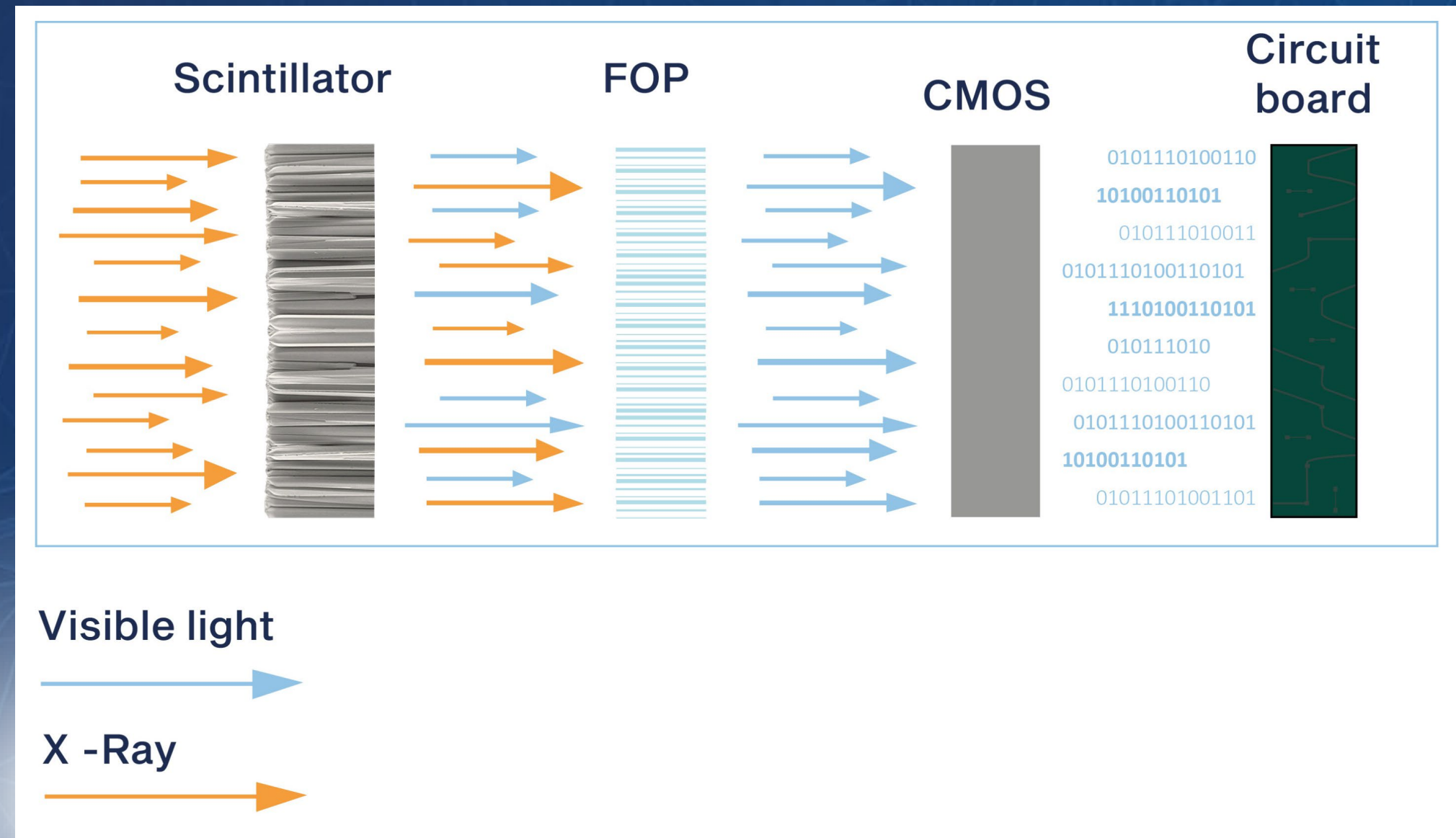
- This feature ensures your Opteo sensor is ready for use instantly, eliminating warm-up time and providing a seamless workflow
- Capture high-quality intraoral images without interruption



III. FOP TECHNOLOGY

Fiber Optic Plate

- The built-in FOP and low power consumption design significantly extend the sensor's lifespan
- X-rays are transformed into visible light after flashing, though some X-rays remain
- Once they pass through the FOP, no X-rays are left



IV. HD SCINTILLATORS

High Resolution Scintillators

- The new scintillator CsI:Tl (Cesium Ioded Thallium Dopped) produces more realistic HD images
- Superior light emission, resulting in better resolution and higher light output

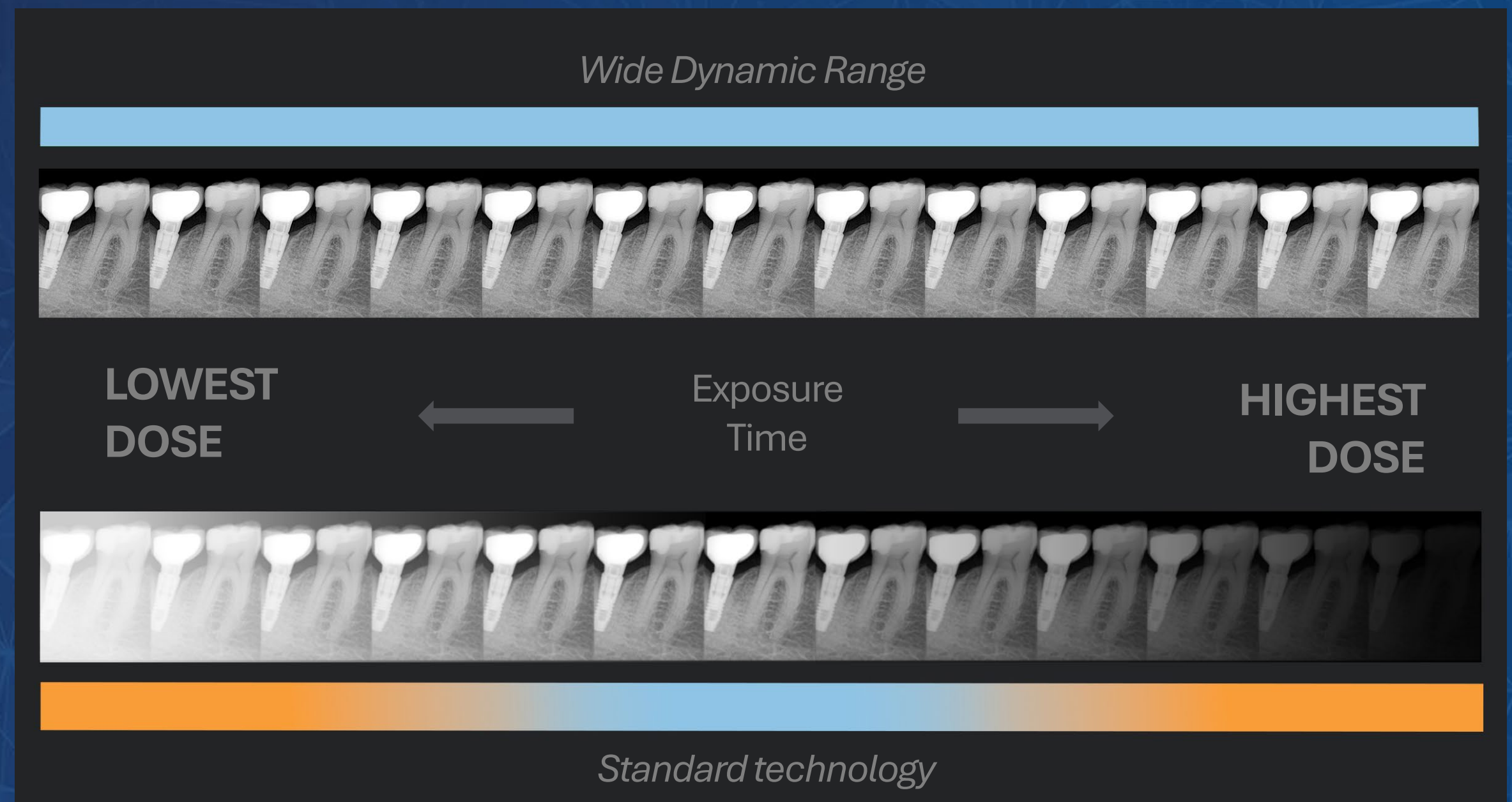


*Cross-section of CsI scintillators
Needle-shaped crystals*

V. WDR TECHNOLOGY

Wide Dynamic Range

- Captures high-quality images with lower radiation doses, minimizing patient exposure and eliminating dosage errors.
- Perfect images on the first attempt, reducing retakes and improving patient comfort.



VI. WSA TECHNOLOGY

Wide Sensitive Area

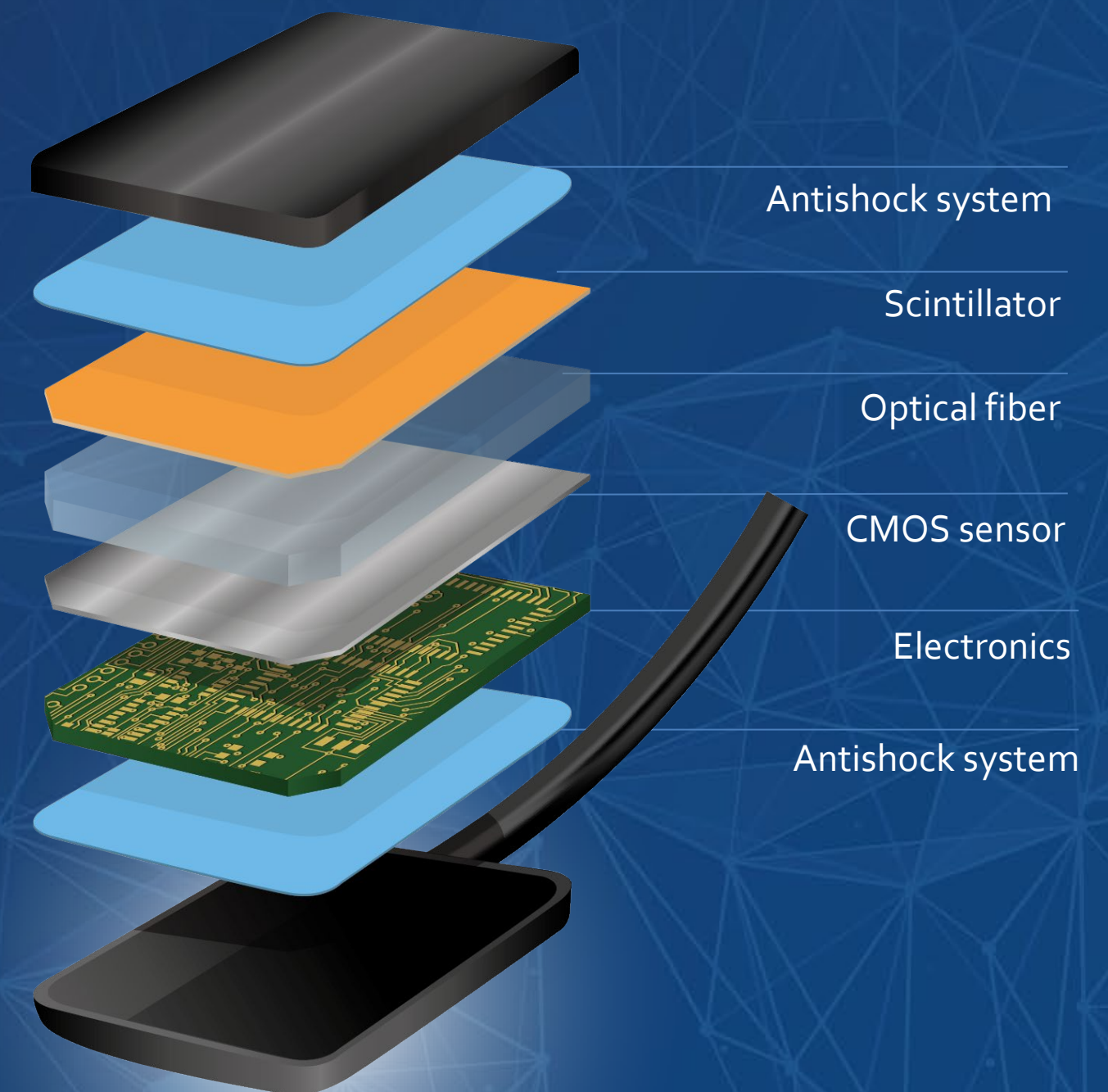
- With 1,5 sensor (24x33 mm) you can take horizontal x-ray image shot
- More confort for patient, the horizontal sensor positioning also let doctor to get several teeth x-ray image in one shot



VII. SENSOR LAYER TECHNOLOGY

Optimized Layer Combination

- The built-in elastic layers protect the sensor from damage due to drops or pressure
- Optimized build with a combination of advanced layers results in a super-thin sensor just 6 mm wide



VIII. DIRECT USB

Improved USB Connector

- **Signal processing in the USB connector**
- **Electronic noise cancellation**
- **Enhances portability and usability**
- **Quicker data transfer**
- **Reduced energy usage**



IX. DURABILITY

Strong & Highly Resistant Cable

- The protective cover is made of PU with strong tear resistance, making it easy to clean and highly resistant to bending
- Ultra-fine conductive copper wire has passed rigorous bending tests, guaranteeing its durability
- Cable replacement service



X. IP68 SENSOR

100% Waterproof

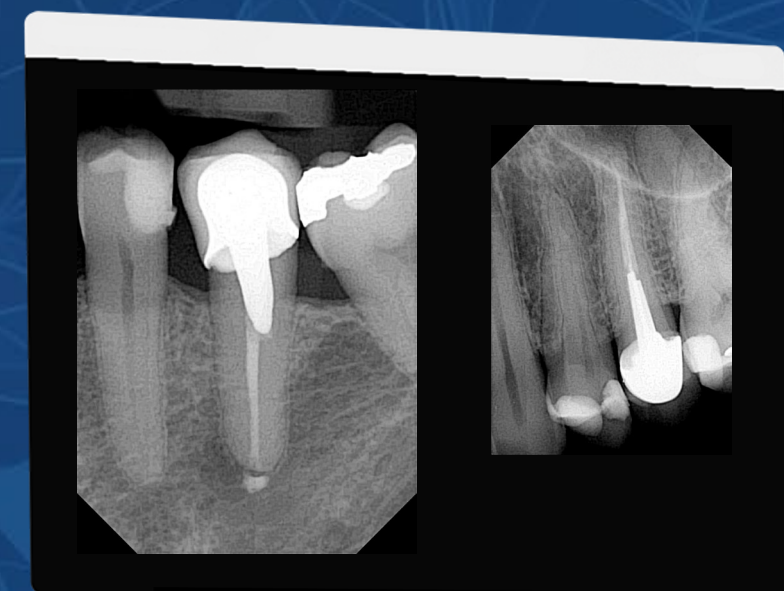
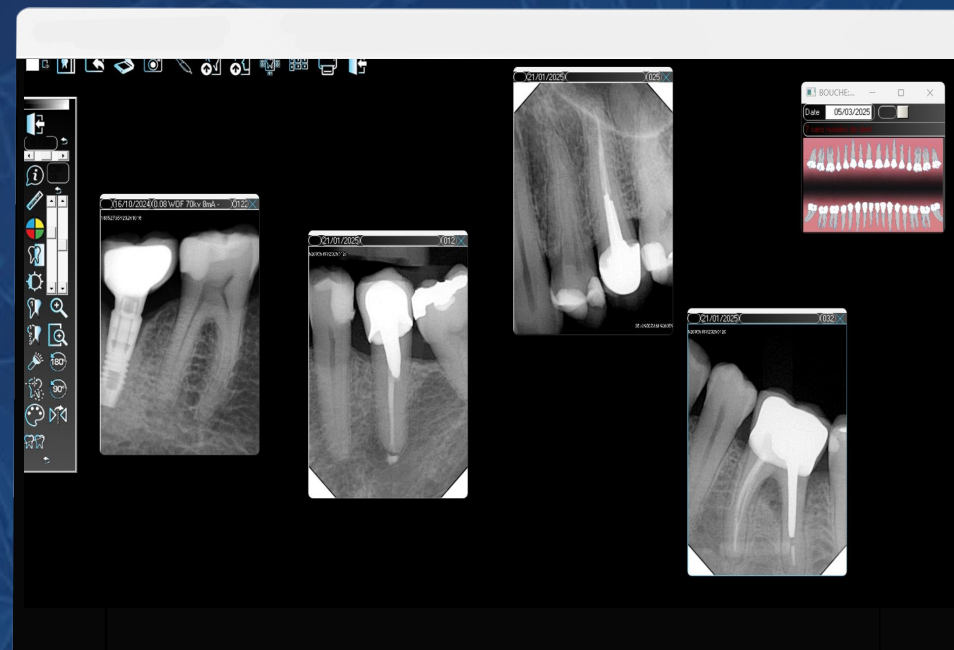
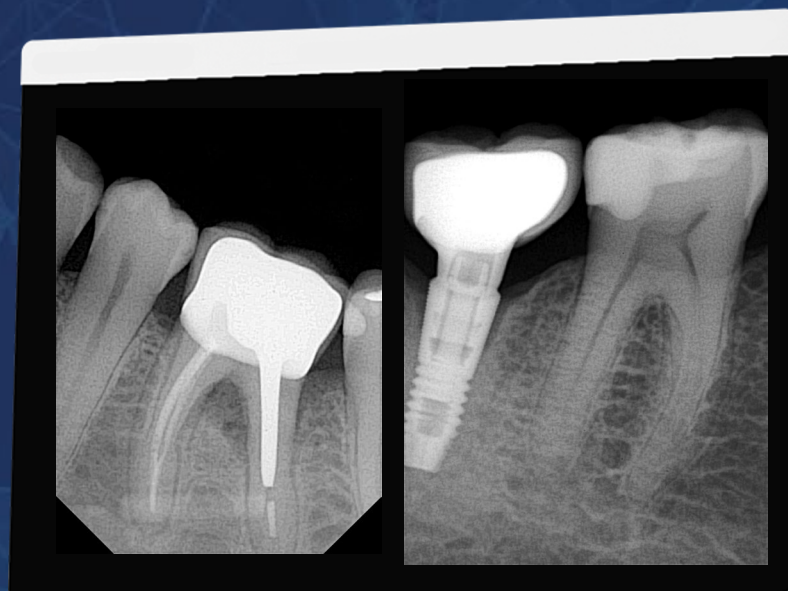
- Sterilizable liquid soaking
- The sensor is tightly stitched and reaches the IP68 waterproof level
- It can be soaked and thoroughly disinfected



XI. TS PROTOCOL

Twain Standard Protocol

- The unique Twain driver protocol ensures our sensors are fully compatible with other software.
- Existing databases and software can continue to be used



Opteo: key points

- 
- New Size 1,5 •
 - New Ergonomics •
 - WDR Technology •
 - Durability •
 - Ultra HD Image Quality •
 - Always ON Technology •
 - 5 years Warranty* •
 - 100 Waterproof •



EXCEPTIONAL IMAGE QUALITY

18,5 μm / 27pl/mm



NEW SIZE 1,5

3 sizes (1 / 1,5 / 2) to suit your patients' morphology



ALWAYS ON TECHNOLOGY

Easy use any-time



WDR TECHNOLOGY

Allows for easy capture of both low and high doses



100% WATERPROOF

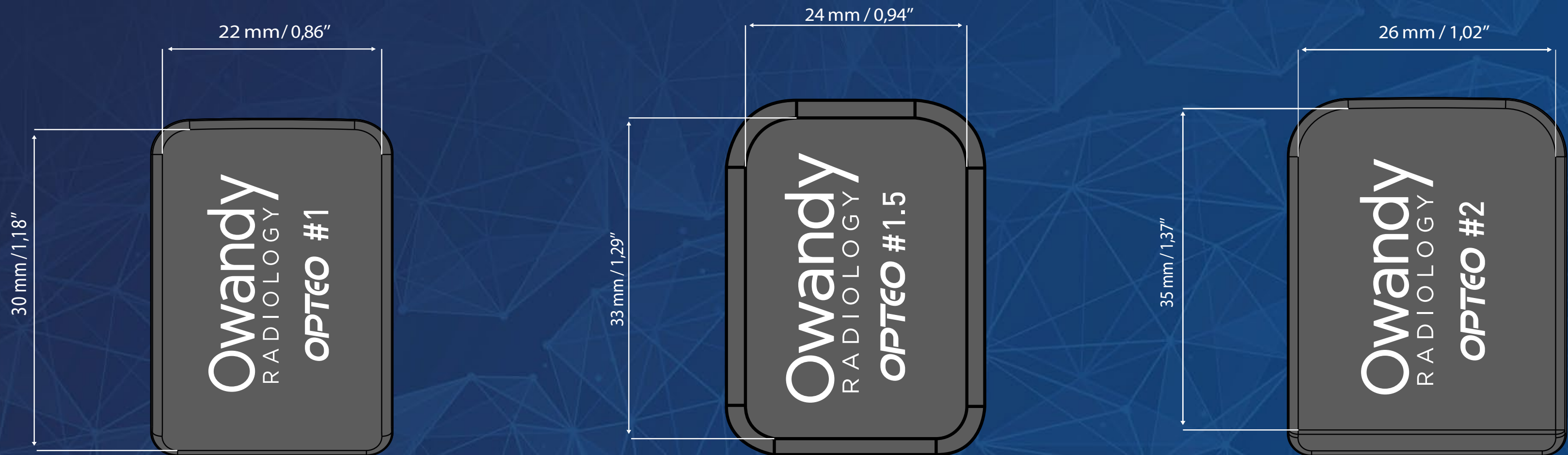
IP68 sensor adapted to sterilizable liquid soaking

Opteo: dimensions



Opteo: dimensions

Optimal Sensitive Area



One: dimensions

Optimal Sensitive Area





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	Opteo 3 rd generation 	One 3 rd generation 
Chip technology	CMOS – Fiber optic + Csl Scintillator	CMOS – Csl Scintillator
Sensor activation	Always ON	
Theoretical resolution	27 pl/mm	
Actual resolution	> 20 pl/mm	14 - 16 pl/mm
Sensitive surface	T1 = 660 mm ² - 22 x 30 mm T1,5 = 790 mm ² - 24 x 33 mm T2 = 910 mm ² - 26 x 35 mm	T1 = 660 mm ² - 22 x 30 mm T2 = 910 mm ² - 26 x 35 mm
Pixel size	18,5 x 18,5 µm (T1 - T1,5 - T2)	18,5 x 18,5 µm (T1 - T2)
External dimensions T1	38 x 27,4 mm	
External dimensions T1.5	41 x 29,4 mm	NA
External dimensions T2	43 x 31,6 mm	
Sensor thickness	6,0 mm (sensor outer perimeter)	5,0 mm (sensor outer perimeter)
Waterproofing	IP-68	

A complete range of intraoral sensors



OPTEO

one



2 rue des Vieilles Vignes - 77183 Croissy-Beaugourg, France

Tel : +33 (0)1 64 11 18 18

www.owandy.com