

Xpect Vision Intraoral Sensor – Now Powered by AI

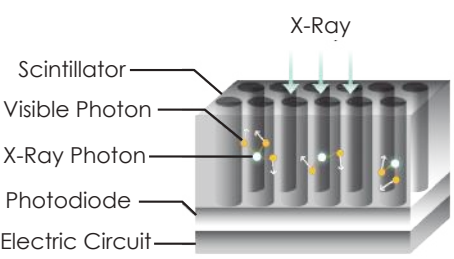
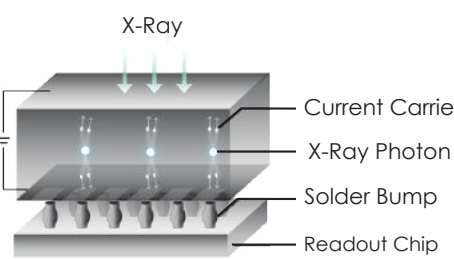
The Massive Upgrade Has Arrived: AI + Photon Counting Technology

Xpect Vision, the pioneer behind the world's first Photon Counting Intraoral Sensor, has just redefined diagnostic precision by integrating the power of Artificial Intelligence into its cutting-edge imaging platform.

Already celebrated for its revolutionary Photon Counting Detection-a technology that avoids the distortion of light scattering by enabling direct X-ray imaging-Xpect Vision now enters a new era of AI-enhanced dentistry. This upgrade is not just incremental. It's transformational.

Cutting Edge Technology and Strict Tests Deliver Unrivaed Durability

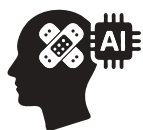
The Xpectvision intraoral sensor uses silicon-based chips instead of the traditional material, cesium iodide (CsI), avoiding image blurring or performance deterioration.

Competitor	Xpectvision
 Scintillator Visible Photon X-Ray Photon Photodiode Electric Circuit	 Current Carrier X-Ray Photon Solder Bump Readout Chip
Cesium Iodide (CsI) Indirect Imaging	Silicon-based chip Direct imaging

What's New: AI-Powered Intelligence, Built Right In



AI-Powered Imaging: Get unmatched clarity powered by advanced algorithms that interpret radiographs in real-time.



AI-Enhanced Diagnostics: Identify caries, anomalies, and bone loss more confidently with AI assistance.



AI-Assisted Accuracy: Ensure precise detection of dental structures, root canals, crowns, fillings, and more with zero guesswork.



AI-Driven Clarity: Experience next-level contrast, sharpness, and definition to differentiate even the finest structures.



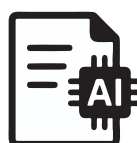
Real-Time AI Insights: See diagnostic suggestions instantly-Caries detection, structure identification, and pathology markers pop up live during image acquisition.



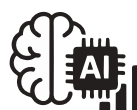
Size 1



Size 1.5



AI-Augmented Reporting: Create smart, detailed, and structured reports within seconds-ready to share with patients and specialists.

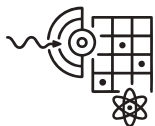


AI-Empowered Results: Make faster and more informed clinical decisions, reduce human error, and improve patient communication

Still the World's First - Still the Best

Xpect Vision remains the first & only intraoral sensor globally to adopt Photon Counting Detection, a technology previously exclusive to clinical CT and high-end medical imaging. This massive upgrade brings AI to the top-tier photon counting framework, offering the most powerful and futuristic imaging solution in modern dentistry.

Technical Brilliance Meets Clinical Intelligence



Photon Counting Detection



Clarity You Can Trust



Real-Time Analysis



AI Diagnostics

Xpect Vision Intraoral Sensor – Specifications Comparison

Speifiation	Size 1	Size 1.5
Technology	Photon-Counting Without Scintillator, Direct Conversion	Photon-Counting Without scintillator, Direct Conversion
Dynamic Range	16 bits	16 bits
Actual Resolution	14~16 lp/mm	14~16 lp/mm
Imaging Area	20 × 30 mm ²	25 × 30 mm ²
Dimensions	26.5 × 41.3 mm ²	31.5 × 41.3 mm ²
Thickness	5 mm	6 mm
Imaging Time	3 seconds	3 seconds
Image Format	BMP / DIR / DCM / JPEG / PNG / TIFF	BMP / DIR / DCM / JPEG / PNG / TIFF
Connection	USB 2.0	USB 2.0
Waterproof Rating	IP68	IP68
Cable Length	3 meters (Extendable)	3 meters (Extendable)

Why Choose the Upgraded Xpect Vision Sensor?

1. Dual Power: Photon Counting + Artificial Intelligence

- ✦ Captures X-rays directly - **no conversion to visible light**, eliminating image scatter.
- ✦ **AI overlays** immediately flag anomalies, saving time and boosting confidence.

2. Unmatched Image Quality and Speed

- ✦ **Delivers HD diagnostic images in under 3 seconds**
- ✦ **500,000+ images lifespan** with consistent quality
- ✦ **Zero image degradation** even after years of use

3. Safer for Patients

- ✦ Direct detection means **fewer layers and reduced radiation exposure**
- ✦ AI guides your shots-**fewer retakes, faster decisions**

4. Built Tough for Everyday Dentistry

- ✦ **Waterproof & Dustproof (IP68)** for total peace of mind
- ✦ Reinforced cable tested for **100,000+ bending cycles**

5. Future-Proof Software with Smart Features

- ✦ Intuitive, user-friendly interface
- ✦ **Smart AI report generation**, image management, and sharing
- ✦ Designed for easy integration into your clinic's digital workflow

