



# A Game Changer for Intraoral Sensor

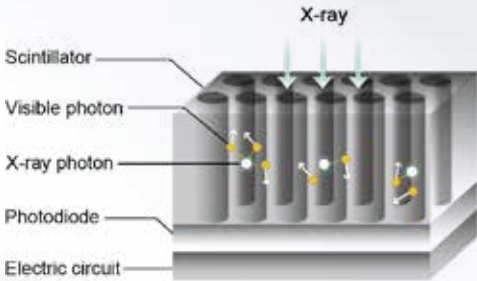
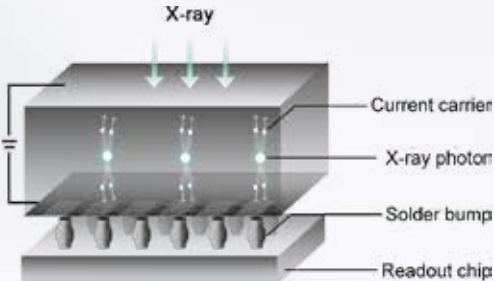
Make dental X-ray more accessible to dentists worldwide



The world's first photon-counting x-ray intraoral sensor.

# Cutting Edge Technology and Strict Tests Deliver Unrivaled 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
 <p>Scintillator Visible photon X-ray photon Photodiode Electric circuit</p>	 <p>X-ray Current carrier X-ray photon Solder bump Readout chip</p>
<p>Cesium iodide (CsI) Indirect imaging</p>	<p>Silicon-based chip Direct imaging</p>

## Sensor Tested to 500,000+ Exposures

Guarantee longer life span

## Cable Strength and Durability

100,000+ cable bending tests and pull strength to withstand forces of up to 10kg.



## Water Resistance Tested to IEC IP68

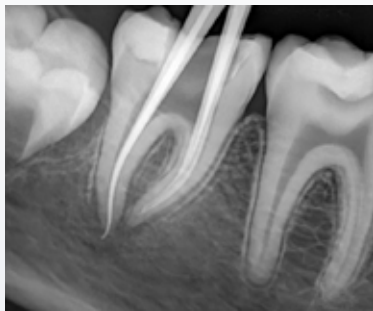
The impact-resistant sensor case is sealed to withstand submersion in 3ft of water for 30 minutes.



# Xpectvision's Direct Imaging Innovation Provides Unparalleled Clinical Image Quality

Of its high technical requirements and costs, photon-counting is an emerging technology in clinical CT. Xpectvision is the world's first to apply the latest photon-counting technology to dentistry, enabling direct imaging, avoiding the interference of light scattering from conventional indirect imaging, and ensuring image acquisition stability.

The broad dynamic range eliminates time-consuming fine-tuning of exposure to produce a clinical image. Adjust contrast and brightness to meet different clinical requirements.

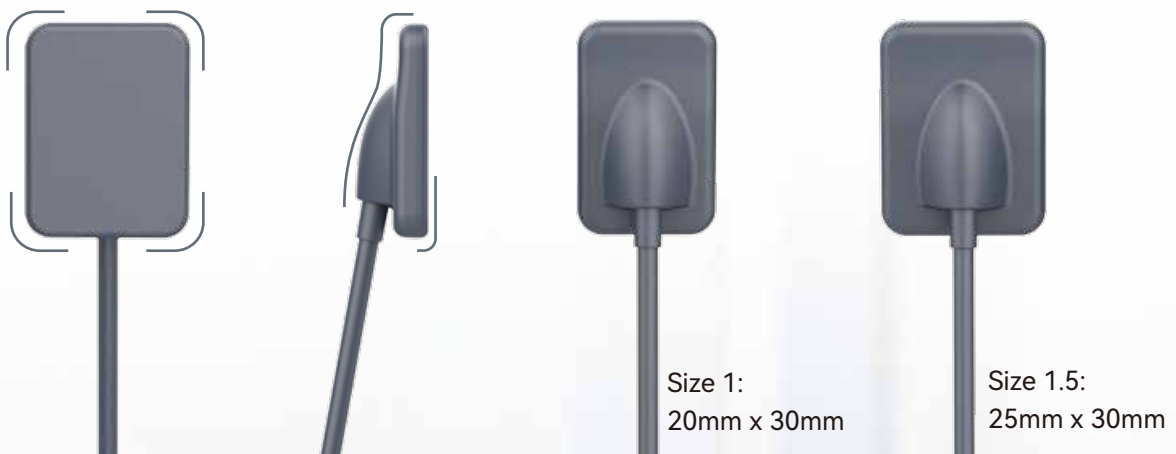


# Ergonomic Design to Maximize Patient Comfort

## One of the Thinnest X-Ray Sensors in the Market

The sensor comes in 2 sizes for both adults and children, better meeting different clinical requirements. To better improve the diagnosis experience of patients, the Xpectvision sensor has a more compact design while guaranteeing an adequate sensor area.

Sensor positioners help with quick positioning, significantly reducing patients' discomfort and improving diagnostic efficiency.



# 2-Year Warranty

## Value-added Service

Xpectvision offers a 2-year warranty for intraoral sensors. If a device malfunction occurs with typical use, Xpectvision will provide replacements for free.



Software upgrades and customer support is included with each intraoral sensor at no additional charge.

## Xpectvision Intraoral Sensor Accessories



Sensor holder



Disposable sleeves

# Technical specification

Specifications	Size 1	Size 1.5
<b>Technology</b>	Photon-Counting Without Scintillator Direct Conversion	Photon-Counting Without Scintillator Direct Conversion
<b>Dynamic Range</b>	16bits	16bits
<b>Actual resolution</b>	12~ 14lp/mm	12~ 14lp/mm
<b>Imaging Area</b>	20*30mm <sup>2</sup>	25*30mm <sup>2</sup>
<b>Dimensions</b>	26.5*41.3 mm <sup>2</sup>	31.5*41.3 mm <sup>2</sup>
<b>Thickness</b>	5mm	6mm
<b>Imaging time</b>	3s	3s
<b>Image Format</b>	BMP/DIC/DCM/JPEG/PNG/TIFF	BMP/DIC/DCM/JPEG/PNG/TIFF
<b>Connection</b>	USB2.0	USB2.0
<b>Waterproof</b>	IP68	IP68
<b>Cable Length</b>	3m (Extendable)	3m (Extendable)
<b>Support System</b>	Windows 7,8,10	Windows 7,8,10



Discover more at [www.xpectvision.com](http://www.xpectvision.com)  
or contact your local authorized dealer.