Xpect Vision

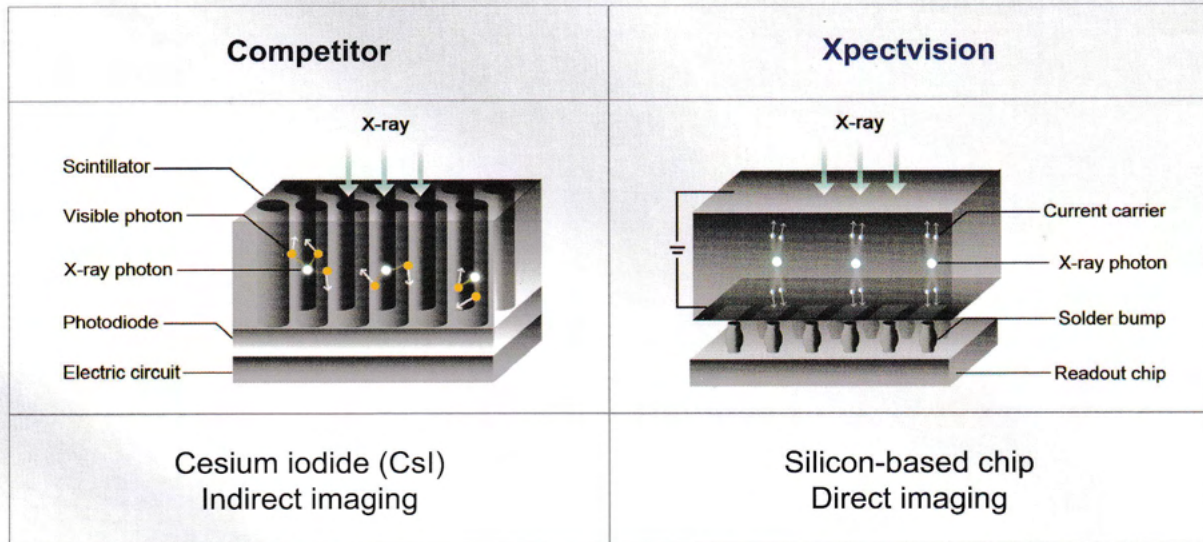# A Game Changer for Intraoral Sensor

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
X-ray	X-ray
Scintillator	Current carrier
Visible photon	X-ray photon
X-ray photon	Solder bump
Photodiode	Readout chip
Electric circuit	
Cesium iodide (CsI) Indirect imaging	Silicon-based chip Direct imaging

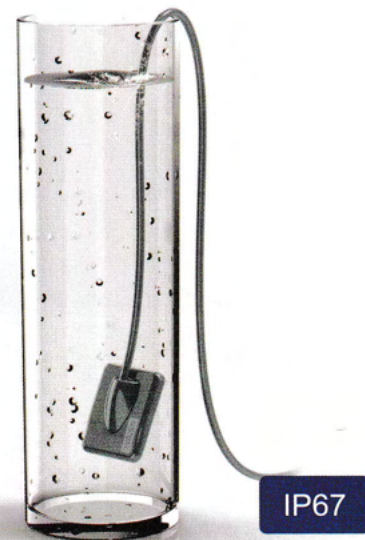**Sensor Tested to 500,000+ Exposures**

Guarantee longer life span

Cable Strength and Durability

100,000+ cable bending tests and pull strength to withstand forces of up to 10kg.
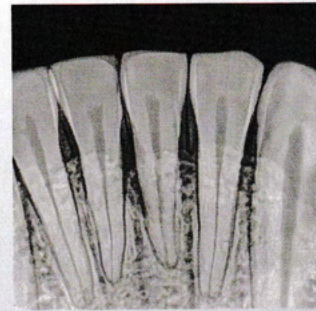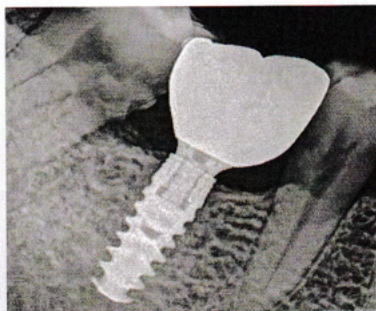
Water Resistance Tested to IEC IP67

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

IP67

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.
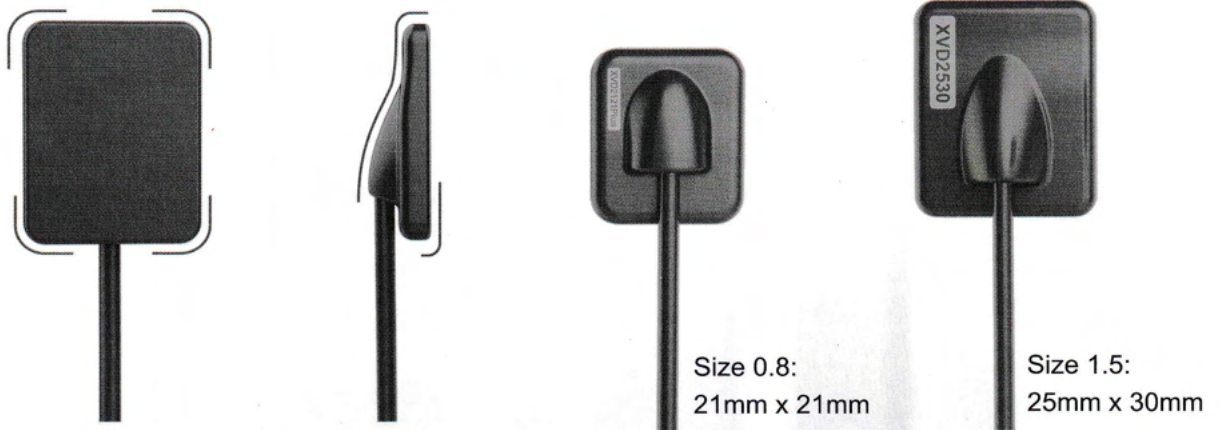
Ergonomic Design
to Maximize Patient Comfort

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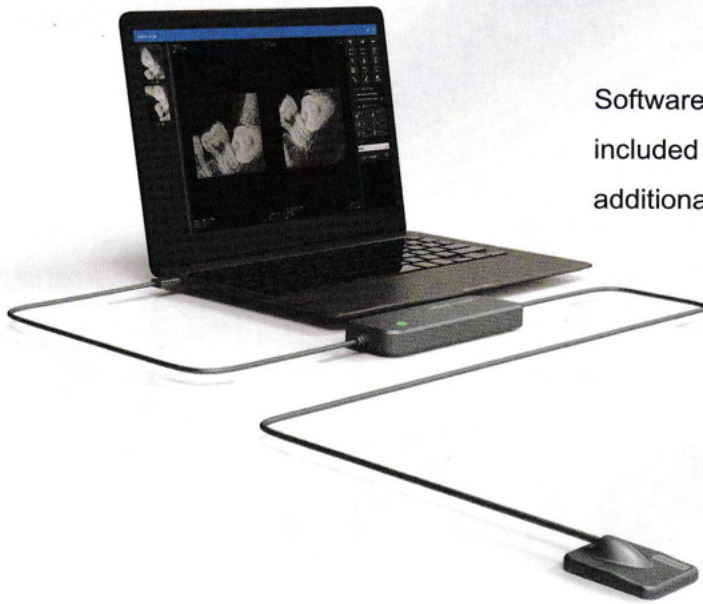
Sensor positioners help with quick positioning, significantly reducing patients' discomfort and improving diagnostic efficiency.

Size 0.8:
21mm x 21mm

Size 1.5:
25mm x 30mm

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

Dohle Röntgenservice

Inhaber Udo Dohle
Vertrieb Service Imaging 2D/3D IT

Neuer Weg 16
63853 Mömlingen, Germany
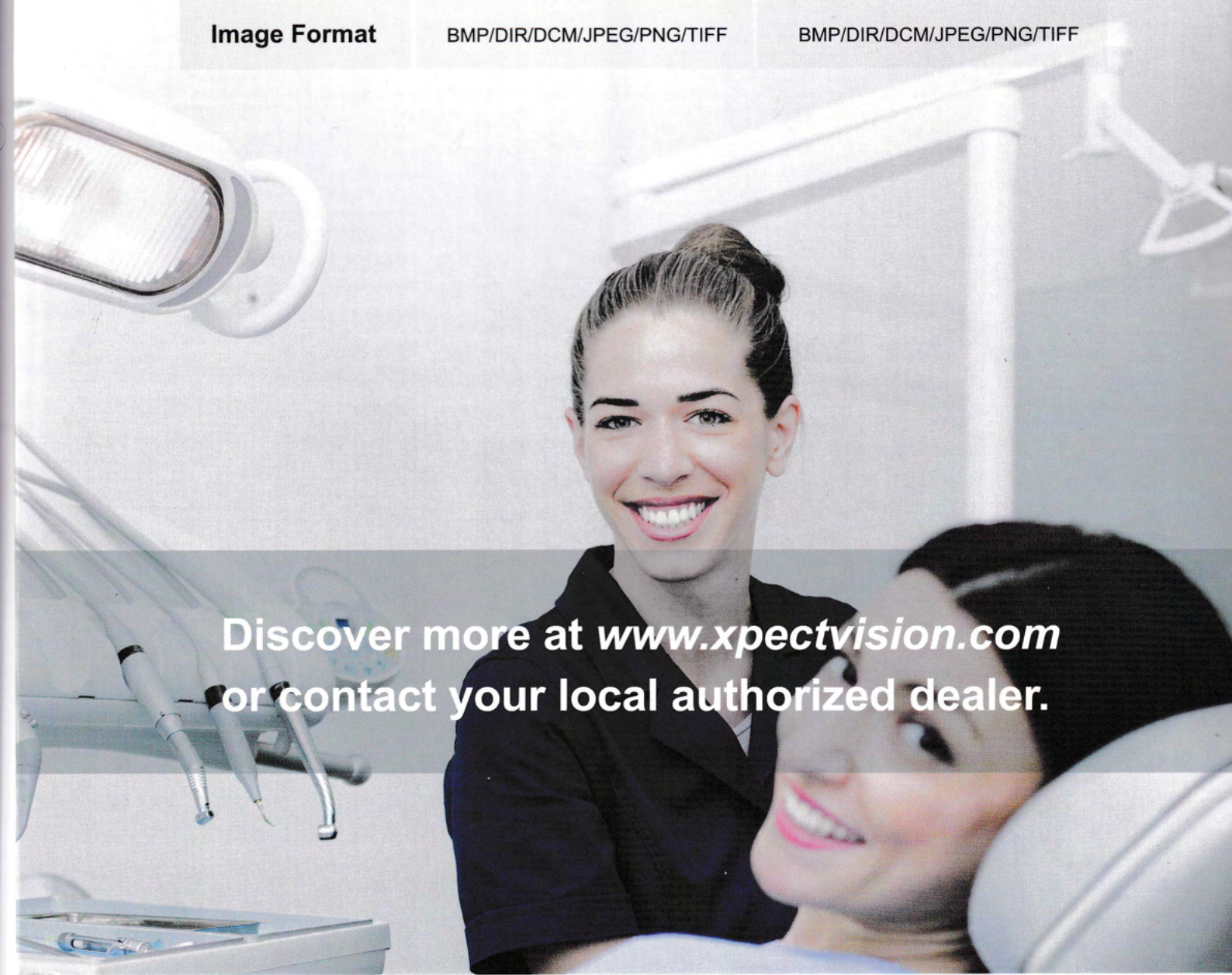Mobile +49 176 767 237 43
ud@dohle-roentgenservice.de
www.dohle-roentgenservice.de

Specifications	XVD2121 Plus	XVD2530
Grayscale	65,536 gray level(16 bit)	65,536 gray level(16 bit)
Imaging Area	21*21 mm²	25*30 mm²
Sensor Area	26.5*32 mm²	30*37 mm²
Thickness	5 mm	5 mm
Image Format	BMP/DIR/DCM/JPEG/PNG/TIFF	BMP/DIR/DCM/JPEG/PNG/TIFF

Discover more at *www.xpectvision.com*
or contact your local authorized dealer.