# KaVo IXS™

The dependable imaging solution
for patient-centric practices.

**KaVo** | IMAGING

# The new and improved Gendex™

Built upon decades of success with Gendex sensors, KaVo IXS is everything you have grown to rely on – plus more[*]. Easily produce diagnostic quality images with improved contrast, less noise, and greater dose flexibility.

Enjoy enhanced robust engineering and automated technology[*].

▸ KaVo IXS is three times more resistant to damage or functional failure than Gendex GXS-700.

▸ KaVo IXS handles double the biteforce without cosmetic damage than Gendex GXS-700.

▸ KaVo IXS includes SimplySmart™ IoT capabilities such as direct-download calibration files, automated software updates, and proactive sensor health monitoring.



[*]As compared to Gendex™ GXS-700 in simulated testing. Data on file.

# Introducing KaVo IXS – designed to address common digital sensor challenges.

## Freedom from Sensor Failures

Featuring KaVoTough™ robust engineering, KaVo IXS sensors are stronger than our previous generation sensor, Gendex GXS-700˚. The sensor housing strategically protects the internal components of the sensor. The cable is designed to be so durable that it should never need replacing.

## No-Stress Workflow Integration

After installing drivers, simply plug the sensor's USB into any operatory computer to begin using. Calibration files are stored directly inside the sensor itself and automatically download once plugged in. Easily move KaVo IXS across operatories using the USB connector without missing a beat.

## Always Ready to Perform

Automated software updates and built-in IoT capabilities will proactively maintain the health of your sensor system. Featuring proprietary SimplySmart™ technology, the KaVo Software Manager will help ensure that your sensors are always ready to perform.

## Optimized Patient Comfort

With two RiteSize™ sensor sizes to choose from — size 1 and size 2 — KaVo IXS is customizable to fit your patient. Ergonomically designed to support patient comfort, KaVo IXS eliminates sharp edges, allowing the sensor to be easily placed closer to the patient's anatomy.

*My team enjoys using KaVo IXS because they don't have to worry about sensor failure or unexpected breakages. Because of its resilience, I have peace of mind knowing that the sensor will acquire and deliver the quality images I need to plan the best course of treatment for my patients.*

– Shellie Edwards, DDS
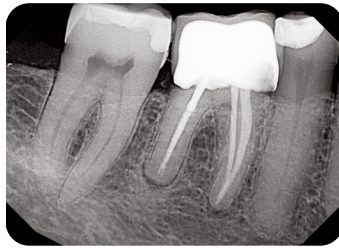**Edwards Everhart Dental, El Dorado Hills, CA**

# Sharp Images. Sharp Diagnostics.

KaVo IXS delivers diagnostic quality images you can trust. By removing noise and improving contrast, KaVo IXS enables clinicians to see more detail, which is essential to effective treatment planning. With expanded dynamic range, sharp images can also be captured at low doses.
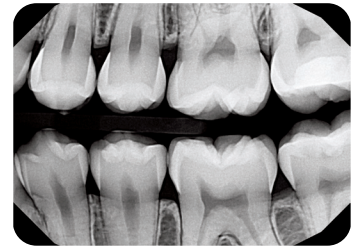
Why settle for "good enough" image quality?



Periapical image allows for visualization of a tooth's anatomy, such as enamel, dentin, DEJ, pulp, PDL, and crestal bone.



Easily capture a full crown to apex visual. Diagnose periapical pathosis on molars, open margins on restorations, and potential fractures.



Easily position KaVo IXS to catch the distal of the canine of the maxillary or mandibular. See good occlusal closure and overall alignment.

### Improved Contrast
KaVo IXS captures consistent images with improved contrast between various radiodensities, across a broader spectrum of radiation levels.

### Less Noise, More Detail
KaVo IXS delivers a high contrast-to-noise ratio. A clearer, cleaner, more defined radiograph reveals imperative details about your patient's dental health, for confidence in diagnosis and treatment planning.

### Dose Flexibility
With dynamic dose range, KaVo IXS consistently captures clear radiographs at a wide range of exposure settings. Trust that KaVo IXS will produce consistently clear images, even on low-dose settings.
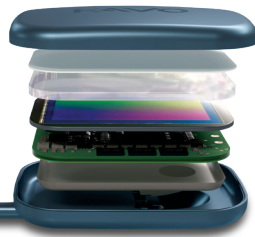
# Your Imaging Workhorse.

Each internal component is strategically engineered and layered to protect the device from damage. The sensor housing is built with a thermoplastic resin material. Featuring a unique dome surface design which protects the internal components of the sensor, KaVo IXS is engineered to be your reliable, imaging acquisition workhorse.

In this high efficiency sensor system, the KaVo IXS scintillator can convert a single X-ray photon into thousands of visible light photons. The scintillator then guides these photons to a protective, optically clear, fiber optic plate, which then collimates the photons to the CMOS pixels. In just seconds, the high sensitivity and low noise pixels convert the photons to electrical signals that are further digitized to produce a clear digital image.

# No Cable Replacement Necessary

The KaVo IXS cable is able to withstand 22 lbs of force without functional failure[*]. The copper alloy inner shield and kevlar-reinforced strands pad the cable jacket for added durability and resilience to withstand your practice's most demanding day.
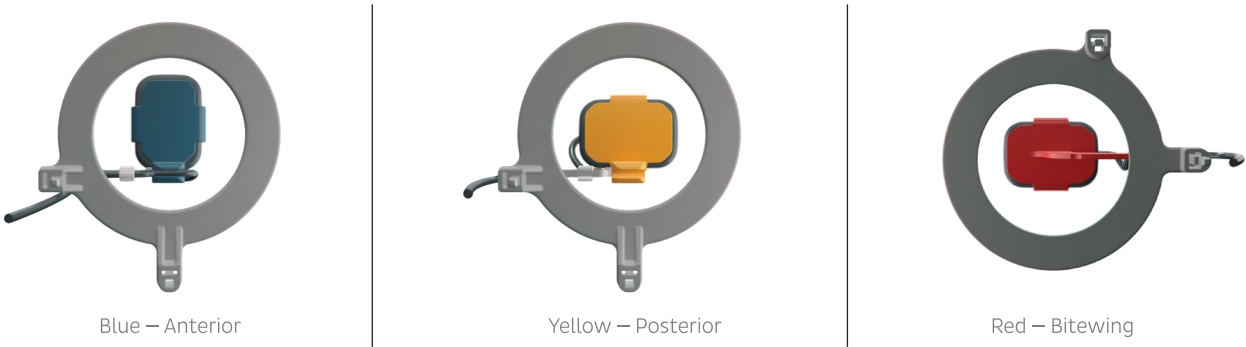
Directly fused to the USB housing, the cable design offers robust protection from twisting and tugging. Able to withstand over 240,000 bend cycles, the KaVo IXS cable is designed to never need replacing.

[*]As compared to Gendex™ GXS-700 in simulated testing. Data on file.

# Snap, Click, Go. Custom Accessories.

The KaVo IXS positioning system includes custom bitewing, anterior and posterior holders for optimal sensor handling. Backwards compatible with Gendex GXS-700 sensors, the KaVo IXS positioning system is engineered to withstand significant biteforce and repeated autoclaving.

Blue — Anterior

Yellow — Posterior

Red — Bitewing

# KaVo IXS Technical Specifications

|  | Size 1 Sensor | Size 2 Sensor |
|---|---|---|
| **Dimensions** | 1539 x 1026 px | 1842 x 1324 px |
| **Resolution** | Theoretical: 25.6 lp/mm Visible: 20+ lp/mm | |
| **USB Port** | USB 2.0 / USB 3.x | |
| **Cable Length/ Diameter** | 3 m / 3 mm | |
| **Cable Material** | Kevlar Reinforced | |
| **Driver** | KaVo_IO-Sensor 1.5 or Higher | |
| **Sensor Technology** | Enhanced CMOS (CsI Scintillator + Optical Fibers); (1026 x 1539) | Enhanced CMOS (CsI Scintillator + Optical Fibers); (1324 x 1842) |
| **Mfg. Warranty** | 1 Year, Unconditional | |
| **IoT Connectivity** | Device Health Monitoring, Automatic SW Updates | |
| **Device Protection/ Safe Guards** | Over Current, Over Voltage, Low Power | |

# Open Integration.
# We flex to fit your practice.

We designed KaVo IXS to easily integrate with the imaging software or practice management system your practice is already using. Use KaVo IXS directly with many of the most popular software platforms without any bridge or additional software purchases.

**POWERED BY DTX STUDIO™**

KaVo IXS is compatible with DTX Studio™ suite. From 2D and 3D image acquisition and diagnosis to treatment planning and placement, DTX Studio suite connects treatments from beginning to end.

**DEXIS™**  **CLINIVIEW™**  **eaglesoft** a Patterson Technology

**VixWin™**  **DENTRIX ASCEND®**

KaVo IXS seamlessly integrates with many other platforms, such as ADSTRA, APTERYX®, MiPACS™, curvedental®, and cad® OPTIMUM. More integrations coming soon. Visit kavo.com for further details.

# With KaVo IXS,
# you get unconditional support.

KaVo IXS includes an unconditional warranty with all purchases. Covered by the KaVo Complete Premier coverage tier during the first year of ownership, this unique warranty includes:

▸ No-charge, next-day replacements for performance issues — no questions asked

▸ Unlimited telephone and remote online technical assistance

▸ Automatically pushed software updates

▸ U.S.-based, online technical support

The KaVo Complete plan is available for the life of the product. This will give you peace of mind and confidence that your practice will be up and running quickly.

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