

Krystal-X and Krystal-X Wifi

digital sensors

Digital imaging, all-purpose applications





816-sq. mm sensitive area: only one sensor needed

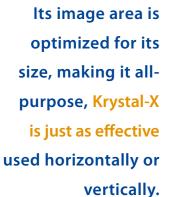




• 816 sq. mm of digital advantages 25% larger sensitive area

compared to most other small sensors today. Krystal-X is **unique** in its category: it allows you to x-ray four teeth in the same image. Simplified positioning and easier diagnosis.





Krystal-X helps frame the teeth to be x-rayed: each image gives more information, which reduces the number of exposures necessary.

Krystal-X saves time and money, and is more efficient and safer - everything to make it the clear choice for your next sensor.





High-quality x-ray image Resolution: > 20 pl/mm

Theoretical resolution of the CCD matrix: 26.3 pl/mm

Krystal-X offers a quality image: sharp, impeccable definition, perfect vision and optimized image processing.



Enjoy digital freedom

Take shots without any wired connection:

The Krystal-X range consists of two products:

- **Krystal-X** which captures and stores your shots in its built-in memory then transfers them upon connection to the box. It is supplied in one of two configurations: with a 3.00 metre long cable or a 20 cm short cable
- **Krystal-X Wifi** which captures and instantaneously transmits images by Wifi to the computer.

Freedom of movement, and option to share the sensor with other practitioners.



Improved ergonomics Strong and practical:

The Krystal X's design employs innovative industrial processes that make it extremely robust, water-resistant, user-friendly, comfortable and flexible to use.

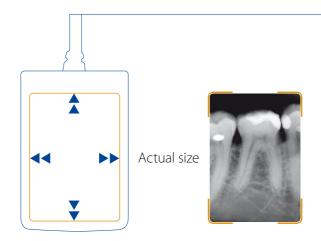


• Integrated intelligence 100% integrated with Quickvision:

With Krystal-X, you will benefit from the latest technological advances in image processing. Efficiency and safety.



All-purpose application and patient comfort



Amazingly compact
and comfortable,
Krystal X offers a
sensitive area of
816 sq.mm, almost
identical to the
exterior dimensions
of the sensor.

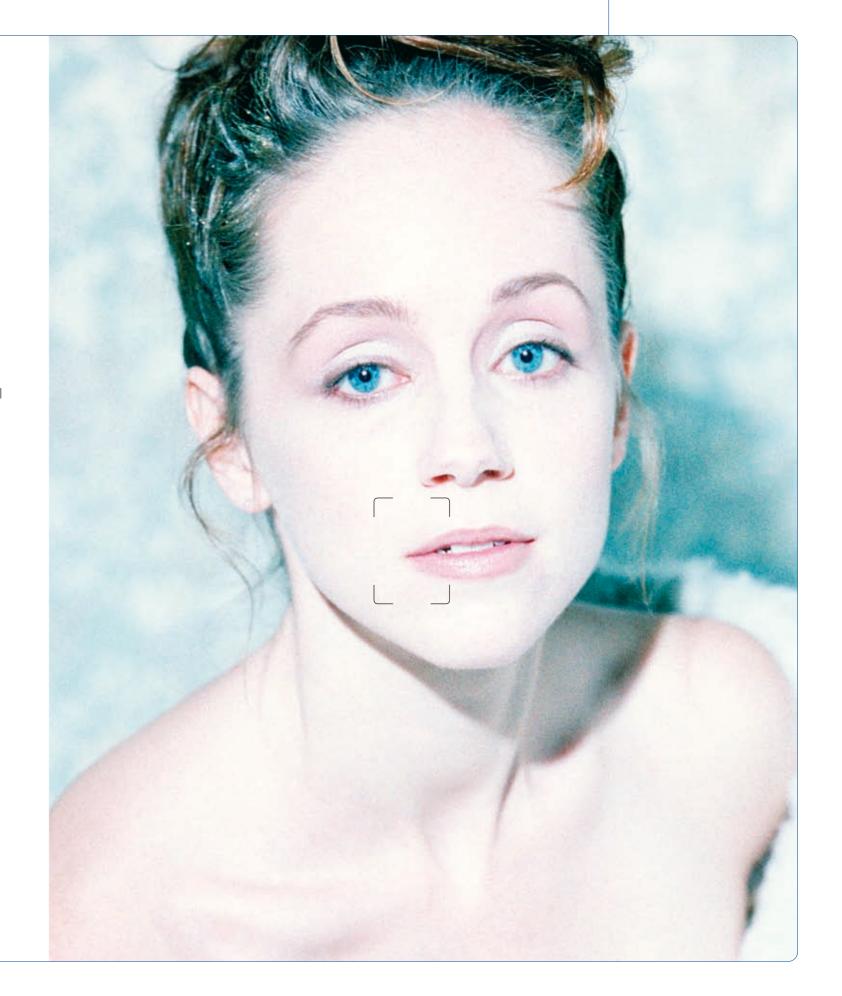


The advantage of its size makes Krystal-X practical and efficient for all sorts of diagnoses:

- For endodontia: in vertical mode for integrated retroalveolar images.
- For preventive care: in horizontal mode with bitewing format images to easily visualize up to four teeth
- Result: simplified use and easier diagnosis.

Multipurpose and ultra-efficient, Krystal-X is designed to meet all your surgery's dental imagery needs

• One sensor does everything, and does it better - a major economic advantage!





Precision to the nearest micro-detail





Benefits: instant read-outs and optimized diagnoses

The quality of the images generated by Krystal-X means the best-adapted image processing for your x-ray diagnosis needs, whether for endodontia, periodontia, surgery, implants or preventive care.



In 'Paro' mode,
Krystal-X offers you
a very detailed x-ray
image - in 4,096 shades
of grey, that is ideal for all
your periodontal
tissue-diagnosis needs.

Krystal-X generates a specially contrasted image that is particularly useful for post-operative check-ups in endocanalar treatment. This type of image is 'light'

In 'Endo' mode,

Ihis type of image is 'light' in IT terms and so very easy to store and export.

 Precision, legibility and adaptability: the advantages are clear!





Digital, with connection freedom

Thanks to
its integrated
memory,
Krystal-X and

take images in mobile mode.

Krystal-X Wifi can



Krystal-X: Simplified picture taking

Total freedom

Once a picture is taken, you only need to connect the sensor to its base to show the recorded image on your computer.

Connected to your computer via a basic USB port, Krystal-X's base serves as an interface between the sensor and your PC. Its light-emitting diodes show you the progress of the procedure in real time.



Designed and patented by Owandy, this technology enables you to share the same sensor between several chairs, greatly reducing the amount your dental surgery will need to invest.

Made of biocompatible polyamide, the sensor is totally water-resistant (IPX7 for cold sterilization) and the adapter between the connection cable and the body of the sensor is especially designed to resist mechanical damage due to frequent or intensive use.



Krystal-X box



Krystal-X Wifi: Experience the freedom

Instant X-Rays

The transmission of the image data is immediate with your X-Rays appearing on the screen as soon as the exposure is complete.

The sensor is connected via a short cable to the Wifi unit which transmits

Independance from main power

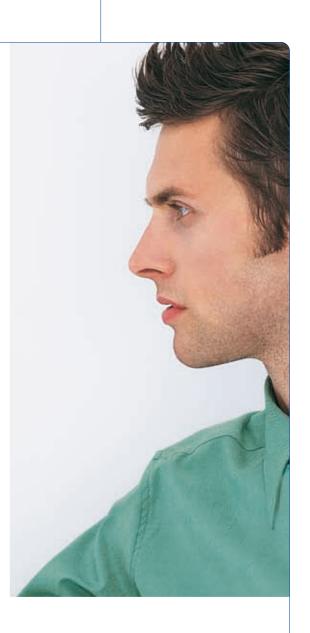
Battery life for the Wifi transmitter is approx. 2 hours of constant use (60 pictures). Recharging time is approximately 60 minutes.



Let your images fly

the images to the waiting software using standard wireless technology, integrated in most PC's and Notebooks. LED's on the transmitter indicate the status of the unit allowing you to take an image as soon as the sensor is active.

The unit can continue to be used during the recharging process.









Krystal-X and Quickvision: total compatibility and full service

Krystal-X is user friendly and ready to operate. Simple, straightforward icons indicate its functions, and the Quickvision software allows you to easily control your diagnosis imagery unit and takes advantage of all its image-processing possibilities: contrast enhancement, measurements, video-inversion, zoom, filters, pseudo-colours, pseudo-3D and more.

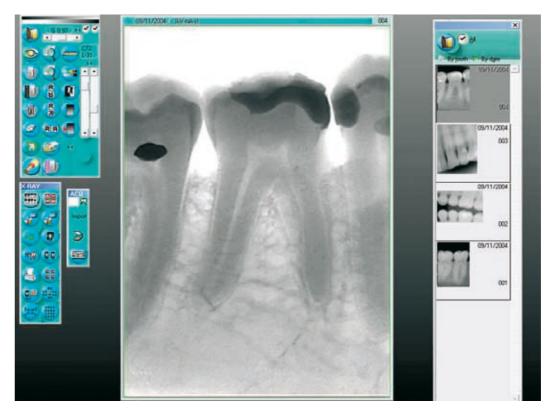
• Benefits: complete efficiency and optimum profitability

Created by Owandy,
Krystal-X is
perfectly compatible
with Quickvision,
an image processing
software for dental
surgeries today.



This technology not only contributes to a quicker, more reliable diagnosis, it also helps you to communicate with the patient by letting you illustrate your diagnosis directly on the screen, helping them to understand and accept it.

 High-performance and user-friendly: decisive advantages for you and your patients



Thanks to the Quickvision imagery functions, you enjoy all the Krystal-X's advantages – from diagnosis aids to storage and communication.



Krystal-X range

Digital imaging, all-purpose applications

Krystal-X and Krystal-X Wifi sensors

Technology: CCD

• Pixel size: 19 μm x 19 μm • Matrix CCD: 1260 lines x 1790 pixels

• Theoretical resolution of CCD: 26.3 pl/mm • Typical resolution of sensor: > 20 pl/mm

• Sensitive area: 34 mm x 24 mm (816 sq. mm) • External dimensions: width 28.5 mm, lenght 42.5 mm Grey scale: 12 bits, 4,096 levels of grey

0.2 m or 3 m for Krystal-X, 0.85 m for Krystal-X Wifi • Cables:

• Impermeability:

• CE compliant: directive CE 93/42

• Standards: EN 60601-1 (medical appliance safety)

EN 60601-1-2 (electromagnetic compatibility)

Krystal-X connection box

• Maximum external dimensions: surface 16 cm x 16 cm, height 6 cm • Bus: USB 2.0 compatible USB 1 • CE compliant: directive CE 93/42

• Standards: EN 60601-1, applicable to medical appliances 12V, 0.6A power supply unit included • Power supply:

Krystal-X Wifi connection box

• Maximum external dimensions: 185 X 84 X 24 mm with built-in docking station

• Transmission: Wifi connection, point to point (ad hoc)

connection to the PC

Wifi module with USB interface supplied with directional antenna to connect to the computer

802.11b - protocol > 11Mbps Transmission time: 2 to 3 sec

Distance: minimum 10 m unobstructed

• Power supply: 3 x 1.2 volt AA batteries, capacity 2.5 mAh each

Quick charge 75 minutes (3.5mm jack connection) Time between recharges: 2h continuous use

or 60 shots approximately





Dealer stamp

Owandy

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