



KRYSTAL-X RANGE

Krystal-X • Krystal-X Wifi • Krystal-X Easy

A selection of digital sensors

The Krystal-X range: 3 options with or without wire, to meet the most demanding quality requirements

**With their
optimized sizes
Krystal-X sensors offer
an all-purpose solution
and are just as effective
used horizontally or
vertically.**

Krystal-X sensors help you 'frame'
the teeth – each image gives you
more information, which in turn
reduces the number of exposures
you need to produce.

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

- **Available
in 2 sizes
600 and 816 mm²**

The Krystal-X
sensors obtain digital
high-resolution in
600 mm² (size 1) and
816 mm² (size 2) for a
larger sensitive surface.

The Krystal-X range
simplifies your
interventions for the
greatest benefit of your
patients.

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

Theoretical resolution
of the CCD matrix:
26.3 pl/mm.
Offering a quality image:
sharp, with impeccable
definition, for a perfect
vision and optimized
image processing.





Krystal-X range

Krystal-X • Krystal-X Wifi • Krystal-X Easy

Krystal-X Universal digital imaging,

Quality high-resolution
image acquisition.

Krystal-X Wifi Set your images free

The Krystal-X Wifi
captures and
instantaneously transmits
images via Wifi to the
computer.

Same functionalities
as the Krystal-X

+ **Real-time image
transfer using
Wifi technology.**



Krystal-X Easy Digital imaging in all simplicity

The new Krystal-X
Easy sensor has
been conceived to
be integrated with
your X-ray generator,
while maintaining the
possibility to quickly
move it from one surgery
to another.

Same functionalities
as the Krystal-X

+ **A portable system
for greater mobility.**



Krystal-X box



Krystal-X Wifi box

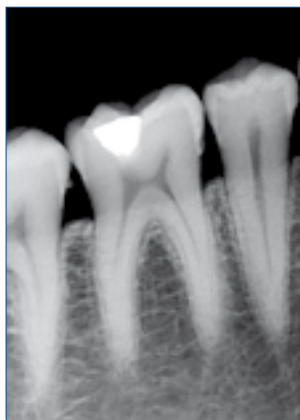


Krystal-X Easy box



Sensor 816 mm²

Sensor 600 mm²



• **Integrated intelligence**

100% integrated with the Quickvision imaging software:

With the Krystal-X range, you will benefit from the latest technological
advances in image processing, efficient and safe.

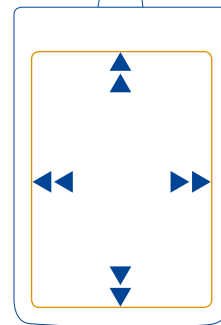
All-purpose use and patient comfort

Amazingly compact and comfortable, the sensors of the Krystal-X, Krystal-X Wifi and Krystal-X Easy systems offer two sensitive area sizes of 600 and 816 mm², but almost identical in exterior dimensions.

The choice of sizes makes the Krystal-X range practical and efficient for all forms of diagnoses:

- For endodontia: in vertical mode for complete retroalveolar images.
- For preventive care: in horizontal mode with bitewing images to easily visualize up to four teeth. (with sensor size 2 - 816 mm²).
- Result: simplified use and easier diagnosis.

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



Actual size

With a very high resolution > than 20 lp/mm, the Krystal-X sensors offer all the latest advances in digital technology, bringing you crystal-clear images of exceptional definition and sharpness.

• Benefits: instant read-outs and optimized diagnoses

The quality of the images acquired with the Krystal-X range provide image treatments best suited for all your x-ray diagnostic needs, whether for endodontia, periodontia, surgery, implants or preventive care.

Precision to the nearest micro-detail

• Precision, legibility and adaptability: the advantages are clear!

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

• The Krystal-X range generates contrasted images that are particularly useful for post-operative check-ups of endocanal treatments. These images are contained in small files and are very easy to store and export.



Krystal-X range

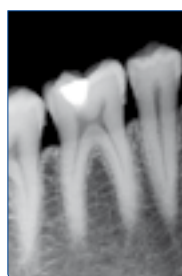
Krystal-X • Krystal-X Wifi •
Krystal-X Easy



Krystal-X Simplified image acquisition



The Krystal-X sensor
creates very
high-definition images.



2 sizes of sensor
are now available,
for improved
ease of use and
benefiting your time
management and your
patients' comfort.

• Shared use and safety

Designed and patented by Owandly, this technology enables you to share the same sensor between several chairs, greatly reducing the investment for your dental surgery. The Krystal-X provides you with a guaranteed maximum lifespan.

Experience the freedom

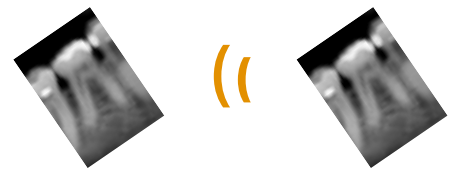
• Total freedom

Once a picture is taken, the image appears almost instantly on the computer screen. Connected to your computer via a standard USB port, the Krystal-X's base serves as an

interface between the sensor and your computer. Its light-emitting diodes show you the progress of the procedure in real time.



Set your
images free





Krystal-X range

Krystal-X • Krystal-X Wifi •
Krystal-X Easy

Krystal-X Wifi

Ready for immediate practical use

The Krystal-X Wifi is now available in two sizes, 600 and 816 mm² which is close to the external dimensions of the sensor, and an impressive digital resolution of 26.3 lp/mm.

The compact sensor case has been designed to fit comfortably anywhere in the mouth using the wide range of positioning devices supplied with it.

The sensor is connected to the Wifi unit that contains a storage area for it. Install the Wifi receiver on the USB port of your computer to enable your sensor.



• Instant X-Rays

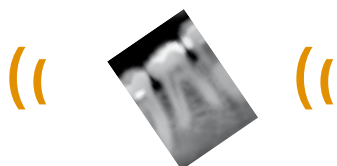
The transmission of the image data is immediate thanks to the Wifi technology. The Wifi receiver connects directly to the USB port of your computer. The antenna provides optimal transmission power. Indicator lights on the connection box inform you about the status of the unit:

- 1/ Activate the connection
- 2/ Image acquisition
- 3/ Transmission

• Independence from main power

Battery life for the Wifi transmitter is approx. 2 hours of constant use (equivalent to about 60 pictures). It can be quickly recharged thanks to its integrated charger module.

With the Wifi technology, the images are transmitted wirelessly to the computer right away (2 to 3 sec).



Instantaneous transmission without connection between the sensor and the computer

Krystal-X Easy

Digital imaging in all simplicity

High definition at reduced dose.

Thanks to cutting-edge technology that combines a leaded fibre optic plate, a high resolution CCD and a new CSI scintillator screen, the Krystal-X Easy is capable of acquiring high resolution quality images at low doses



A portable system

The new Krystal-X Easy sensor has been conceived to be integrated with your X-ray generator, be fixed to a wall or any surface, while maintaining the possibility to quickly move it from one surgery to another. Thanks to its wall mount and integrated sensor support, the practitioner can move the Krystal-X Easy system quickly and easily, maintaining perfect working ergonomics.

Enhanced ergonomics

The Krystal-X is manufactured using a leading edge industrial process, which meets the most stringent requirements with regards to strength, sealing qualities and handling comfort - such as the rounded edges of the sensor.

Mobile and ergonomic for your comfort
USB-powered digital CCD sensor



A versatile system

- The Krystal-X Easy system uses a USB 2.0 High Speed connection, but is also compatible with USB 1.1 Full Speed.
- The intra oral sensor is available in two sizes (600 mm² or 816 mm²) for simplified positioning and maximum patient comfort.

These benefits provide enhanced comfort and freedom of action, together with the kind of performances which have made our range of digital sensors such a success.



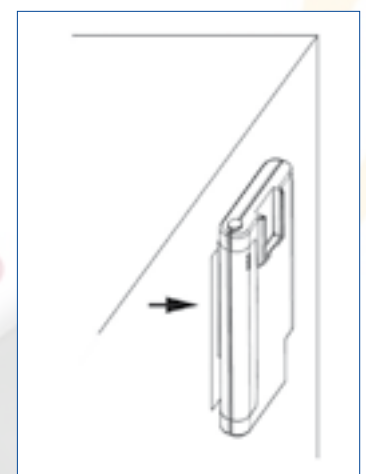
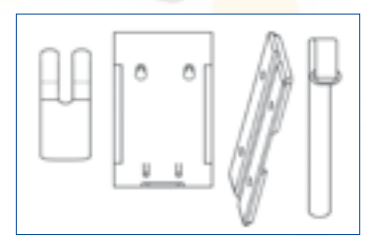


Krystal-X range
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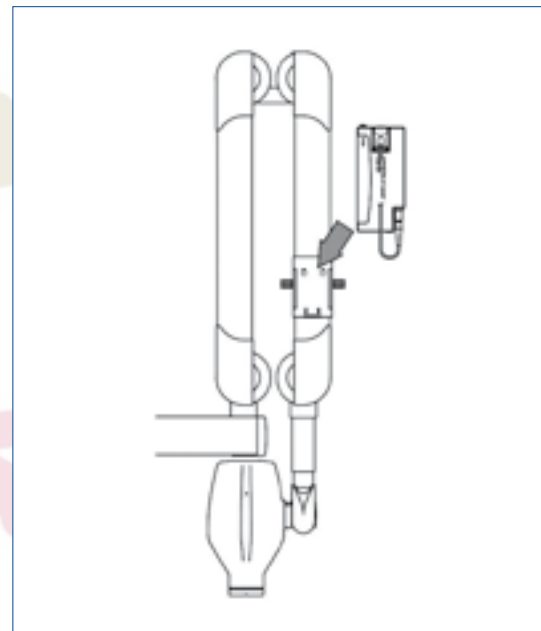
Holders and accessories Krystal-X Wifi & Krystal-X Easy



*Introduction Pack
 sensor holder Owandy*



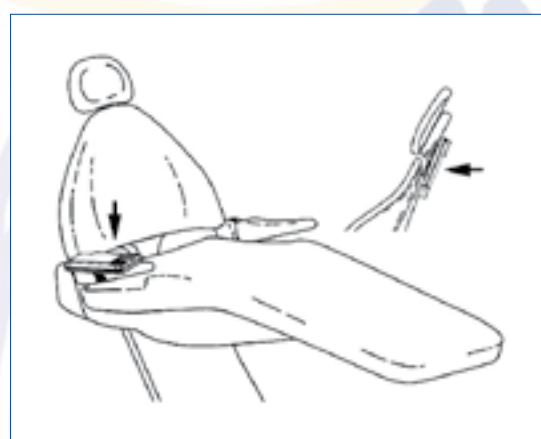
With the wall support of the box



With the strap and the wall support of the box



With the strap



With the strap

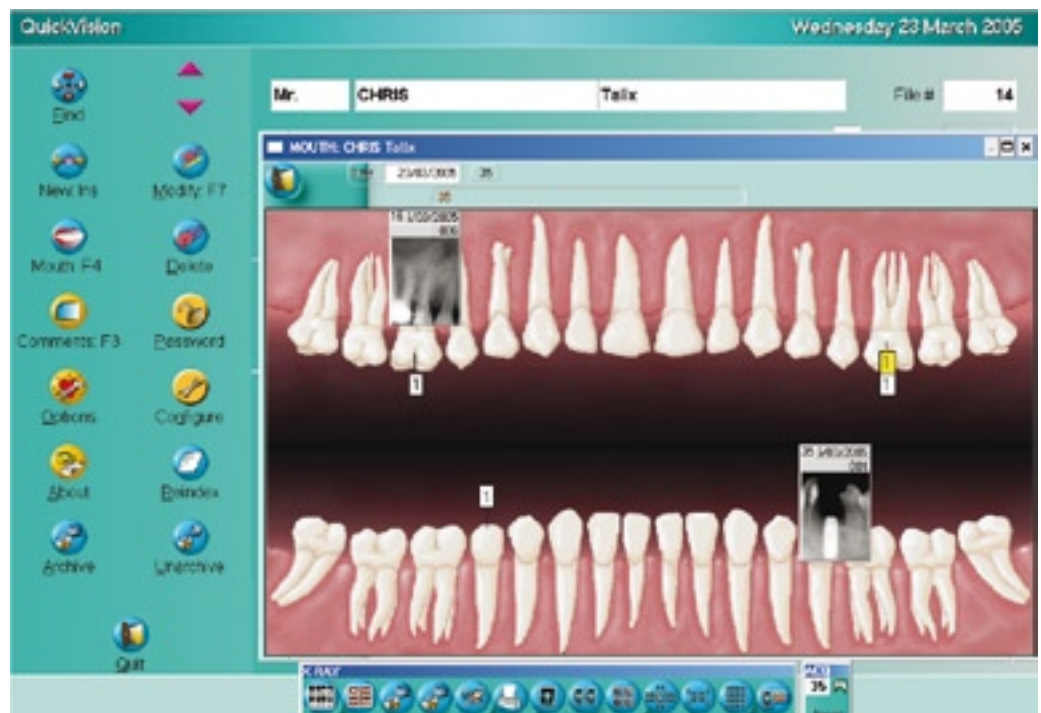
- The Krystal-X Wifi and Easy boxes can be mounted in different ways:**
- Using the screws provided with the wall mount: on a wall, worktop or equipment
 - Using the strap provided with the base plate of the box: to an X-ray generator, the chair or equipment
 - Using the non-slip feet (stuck to the box): on any table or worktop

Krystal-X and Quickvision: total compatibility and full service

Created by Owandy,
the Krystal-X
sensors are perfectly
integrated with
Quickvision,
the imaging software
for today's dental
surgeries.

The Krystal-X is user friendly and always ready for use. Simple, straightforward icons indicate the functions in the Quickvision software, allowing you to easily control your diagnosis imaging workstation and take advantage of all the image-processing capabilities: contrast enhancement, measurements, video-inversion, zoom, filters, pseudo-colours, pseudo-3D and much more.

• **Benefits: complete efficiency
and optimum profitability**



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**



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Krystal-X Easy



Enjoy all of the Krystal-X's advantages thanks to the Quickvision imaging functions – from diagnostic assistance to storage and communication tools.



Krystal-X range

Krystal-X • Krystal-X Wifi • Krystal-X Easy

Digital imaging to meet all needs

Krystal-X, Krystal-X Wifi and Krystal-X Easy sensors

- Technology: CCD
- Pixel size: 20 µm x 20 µm (Size 1)
19 µm x 19 µm (Size 2)
- CCD Matrix: 1500 x 1000 pixels (Size 1)
1790 x 1260 pixels (Size 2)
- Theoretical resolution of CCD: 26.3 lp/mm
- Typical resolution of sensor: > 20 lp/mm
- Sensitive area: 30 mm x 20 mm (600 mm² Size 1)
34 mm x 24 mm (816 mm² Size 2)
- Grey scale: 12 bits, 4,096 levels of grey
- Cables: 3 m for Krystal-X, and Krystal-X Easy, 0.85 m for Krystal-X Wifi
- Sealing standard: IPX7
- 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 x 16 x 6 cm with built-in sensor storage space
- Bus: USB 2.0 compatible USB 1
- CE compliance: directive CE 93/42
- Standards: EN 60601-1, applicable to medical appliances
- Power supply: 12V, 0.6A with included power supply unit

Krystal-X Wifi connection box

- Maximum external dimensions: 185 x 84 x 24 mm with built-in sensor storage space
- Transmission: Wifi connection, point to point (ad hoc) connection with the computer
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

Krystal-X Easy connection box

- Maximum external dimensions: 185 x 84 x 24 mm with built-in sensor storage space
- Connection: USB 2.0 High Speed compatible USB 1.1 Full Speed
- Power supply: Runs off the USB port



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DIGITAL SENSORS

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