



## 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 mm<sup>2</sup>**

The Krystal-X  
sensors obtain digital  
high-resolution in  
600 mm<sup>2</sup> (size 1) and  
816 mm<sup>2</sup> (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

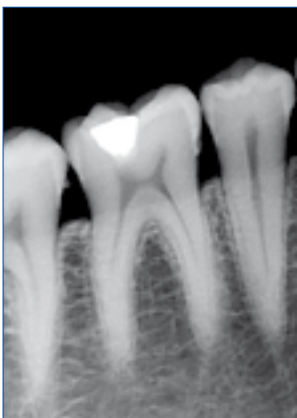


Sensor 816 mm<sup>2</sup>

Sensor 600 mm<sup>2</sup>



Krystal-X Easy box



### • **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.

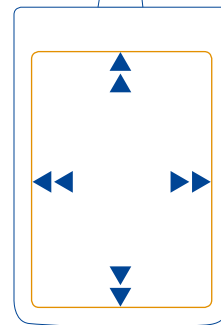
# All-purpose use and patient comfort

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 mm<sup>2</sup>, 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 mm<sup>2</sup>).
- 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



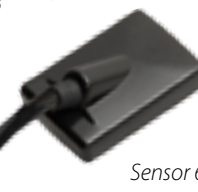
# Krystal-X Simplified image acquisition



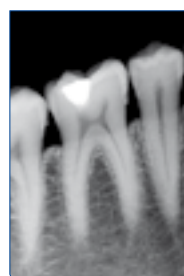
Krystal-X box



Sensor 816 mm<sup>2</sup>



Sensor 600 mm<sup>2</sup>



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

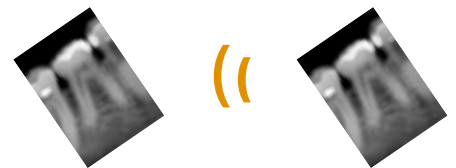
### • Total freedom

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 mm<sup>2</sup> 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

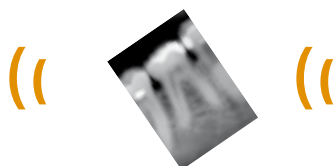
The transmission of the image data is immediate thanks to the Wifi technology. The Wifi receiver connects directly to the USB port of your computer. The antenna provides optimal transmission power. Indicator lights on the connection box inform you about the status of the unit:

- 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 mm<sup>2</sup> or 816 mm<sup>2</sup>) 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.



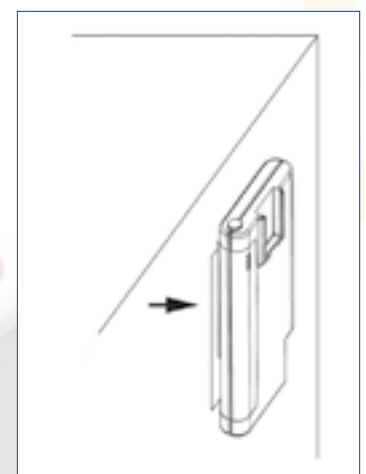
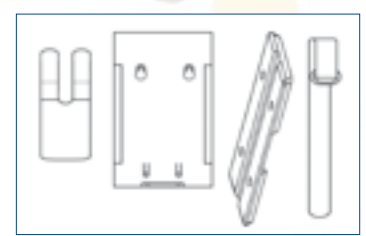


**Krystal-X range**  
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 Krystal-X Easy

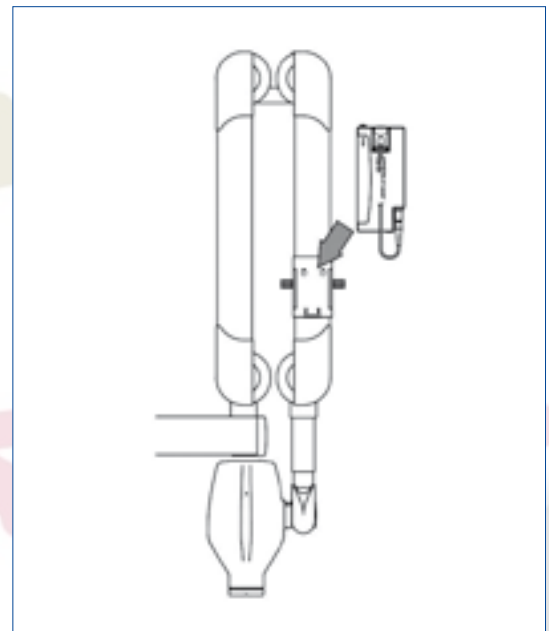
# Holders and accessories Krystal-X Wifi & Krystal-X Easy



Introduction Pack  
 sensor holder Owandy



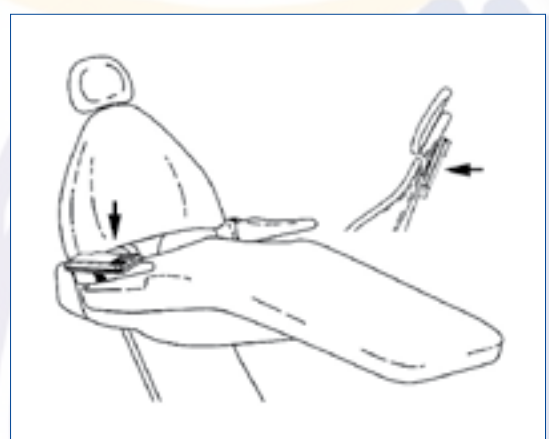
With the wall support of the box



With the strap and the wall support of the box



With the strap



With the strap

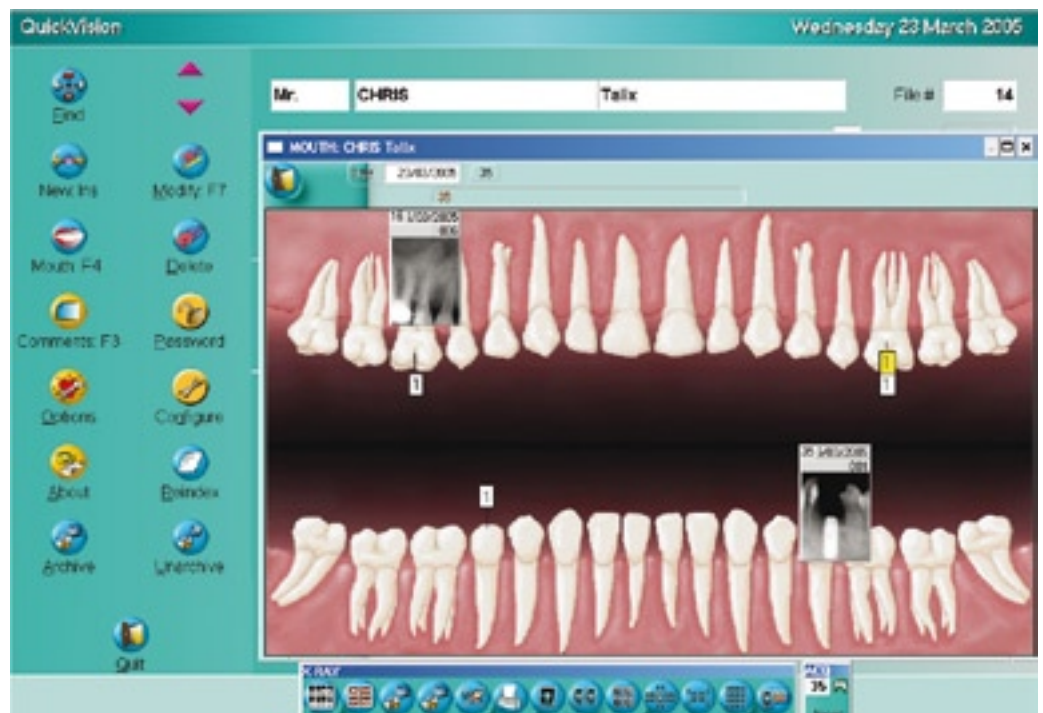
- The Krystal-X Wifi and Easy boxes can be mounted in different ways:**
- Using the screws provided with the wall mount: on a wall, worktop or equipment
  - Using the strap provided with the base plate of the box: to an X-ray generator, the chair or equipment
  - Using the non-slip feet (stuck to the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



## Krystal-X range

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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 mm<sup>2</sup> Size 1)  
34 mm x 24 mm (816 mm<sup>2</sup> 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

PANORAMIC UNITS

CAMERAS

RADIOLOGICAL EQUIPMENT

SOFTWARE