




DENTAL IMAGING SYSTEMS & SOFTWARES

DSX EVO3
Digital sensor

For an appropriate diagnosis



An appropriate diagnosis thanks to a larger active area.



The advantage of size:

A 20% larger active area than any other sensor of identical size.



With the CCD sensor's 730 sq. mm surface area, you can now instantly display incredible bitewing images and spectacular periapical views. This unique multifunctional sensor supplies virtually the same capacity as a second sensor.

Ergonomics that ensure the well-being of your patients

The sensor's anatomical design enhances patient comfort.

Specific positioning devices and a set of adapters for Rinn holders are available to provide unmatched image quality.

Excellent image quality recognized around the world

Rated among the top digital sensors in CRA* laboratory testing, the DSX EVO3 has also become an international benchmark for its extremely high resolution (CDD resolution of 23.8 pl/mm) and image definition (1,652,400 pixels with 4,096 gray levels).

Enhanced safety

Hygiene takes top priority. Although disposable protection is needed for each patient, **the DSX EVO3 sensor is waterproof to IPX7 standard, so cold decontamination is possible** by simple immersion in a disinfectant.



*Clinical Research Associates, USA

Fixed or mobile it's up to you.



Plug and Play: You can be up and running instantly

Plug and Play technology makes installation of the DSX EVO3 sensor easy. Just connect the USB callbox to your PC, and you have a powerful diagnosis imaging workstation.

Your imaging workstation offers all the advantages of digital radiology to become a truly comprehensive administrative tool for your practice.

Fixed or mobile image taking: two operating methods at your disposal

In mobile mode, the images you capture are displayed as soon as the sensor is connected to the base unit. When connected via a simple USB link, the DSX EVO3's callbox serves as an interface between the sensor and your PC. LEDs indicate the real-time status of the procedure. Thanks to this technology, developed and patented by Owandy, you can use a single sensor with several different chairs, yielding significant cost savings for your practice.

The sensor's base unit has been ergonomically designed to provide the best possible working conditions. For example, the connecting cable can be tucked away in a special recess around the unit's feet, and the base unit can be mounted on the wall.



Controlled radiation

The sensor's extreme sensitivity reduces radiation during image taking by 90%. This latest advance over conventional radiology offers added radiological safety for you and your entire team of caregivers.

The digital imaging combines radiology and concern for the environment by eliminating chemical discharge.

A new way of seeing

As soon as the sensor is placed in the patient's mouth, you can capture a large-format image boasting ultra-high definition in real time.

The intuitive icons in QuickVision software offer a host of new diagnosis options, especially for peroperative use, including video inversion, contrast enhancement, zoom, framing, filtering, and endocanal measurement.

Comprehensive interactive management of your practice

The images you capture are saved once you validate them and can be archived, printed, and displayed at any time, even in peroperative mode. The Owandy QuickVision imaging module can be upgraded to include the complete management of your practice's imaging and communication needs (camera, scanner, digital panoramic unit). Simple, comprehensive, and interactive management of your practice—that's your newest asset.



DSX EVO3

digital sensor

The best
in immediate
diagnosis
imaging

Minimum requirements

Windows 98 SE, XP
600 MHz Pentium III (or IV)
Intel chipset/processor
Direct X, Version 5 or higher
At least 128 MB of RAM
10 GB hard drive
CD-ROM drive:
minimum 24x
Disk drive:
3.5" high density (1.44 MB)
SVGA card with 1024 x 768 resolution,
4 MB of 32-bit true-colour video RAM
(minimum 800 x 600)
SVGA 17" monitor or flat screen
Backup system:
Zip, Jaz, tape streamer
Two USB ports (minimum)
Laser or inkjet printer

Sensor

Technology	CCD-specific
Pixels	21 µm
CCD array	1,620 lines x 1,020 pixels 1,652,400 pixels
Theoretical resolution	23,8 pl/mm
Active surface	730 sq.mm
External dimensions	26.2 mm (L) x 40 mm (W) x 5 mm (H)
Signal-to-noise ratio	47 @ 20mRem
CCD lifespan	125,000 exposures
Grayscale	112 bits at capture 4,096 levels of gray
Cable connection	0,2 or 3 m in length
Connector	CE medical device
Compliance with EC directive	93/42 EEC/EC
Impermeability	EC IPX7 standard
Bus	USB
Standard	EC 0459 / USFDA
Compatibility	All generators

External USB callbox

Multi-chair	Simple to install and maintain
Dimensions:	11 cm (L) x 16 cm (W) x 4 cm (H)


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Dealer stamp

Owandy USA

Tel: 877-828-2986

Fax: 909-587-1131

Email: sales@owandyusa.com

www.owandyusa.com

DIGITAL SENSORS

PANORAMIC UNITS

CAMERAS

RADIOLOGY EQUIPMENTS

SOFTWARES