

Mediadent Imagen Sensor



Advantages

- Plug and play easy installation even on notebooks.
- It captures high-quality images in real time, making X-ray film a thing of the past.
- It saves time, thanks to the high-speed data transmission and how easy it is to connect.
- It makes dental records easier to manage and prolongs their useful life.
- Images can be stored on a PC, saving both space and time.
- Real time capturing
- No usb interface box
- Slim design
- High patient comfort
- Intelligent auto trigger
- Two sensors can be operated from one pc

The Mediadent Imagen Sensor is an innovative, flexible, ultra-resistant sensor that easily adapts to the anatomy of the oral cavity.

The rounded edges make it more comfortable for patients, and the extra-hard-wearing material protect it from impact and bites, thus increasing its lifetime.

The intraoral sensor produces perfect, top-quality images with excellent resolution (20 lp/mm). Both accurate and fast, it offers the doctor or dentist an accurate picture of the teeth to be treated.

The Mediadent Imagen intraoral sensor can be used for diagnosis in a variety of fields: Endodontics, Periodontology, repairing dental enamel (caries) and Implantology.

Direct USB connection

The Mediadent Imagen sensor can be directly connected to a PC using a 2-meter USB cable compatible with a standard 2.0 USB port. With no additional power supply or data box necessary between sensor and computer, the sensor offers a simple to install solution.

Available in 2 sizes

Size 1: ideal for standard examinations and children, sensitive (active) area 30x20 mm

Size 2: ideal for bite wings or other tasks that requires a larger sensor surface, sensitive (active) area 33x25 mm



CMOS Technology

The Mediadent Imagen sensor has CMOS technology with scintillator and comes in 2 sensor sizes.

The advantages of CMOS technology is a much lower power consumption, fewer external components, little or no blooming ("smear") and faster preview of your images.

Thanks to CMOS technology, it is possible to integrate a range of functions, such as luminosity control, a contrast corrector or an analogue-digital converter.

A complete solution with the easy to use holder set

Designed for an optimal sensor placement. The holder helps you to produce better & safer results in less time with much less radiation exposure for patients.

The holder set is ergonomically designed for greatest patient comfort and positions the sensor for better image quality.

There are 2 sizes available (Size 1 and Size 2) and the holder set comes in bright and vivid colours for easy identification.

No switching necessary between images, because you only use 1 ring and just by turning the sensor holder, it is possible to use it in the upper and lower jaw.



Specifications

Active area	Size 1: 600mm ² (30 x 20 mm) Size 2: 825mm ² (33 x 25 mm)
Pixel size	20 x 20 µm
Number of pixels	1500 x 1000 (size 1) 1650 x 1250 (size 2)
Distance between the pixels	20 µm
Spatial resolution	20lp/mm typ
Dynamic range	58dB
Scintillator type	CsI
Connection to pc	USB 2.0 (A type connector)
Cable	2m
Power supply voltage	5 V DC (from usb port)
Maximum current draw	275 mA
Frame rate	0,7 fps
Dark current typical (@23°C)	350 LSB/s
Saturation dose (@70kV)	340 µm
Sensitivity	15 LSM/µGy
X-RAY response non uniformity (XRNU)	30 %
Degree of protection	Equivalent to IP 67
Operating temperature	0 to 35°C

For more information contact your local distributor.