

Imagen GOLD

CMOS Intra-oral Sensor

The most advanced technology to obtain intra-oral images.

- Low dose to the patient
- Exceptionally high resolution 27lp/mm
- Sharpness and contrast enhancement
- 3 year warranty



Advantages

of the Imagen GOLD Sensor



High Definition Digital Images

Captures images both horizontally and vertically, even in the most critical areas deep within the oral cavity, with a resolution of 27 visible lp/mm.



Larger Active Surface

Active Pixel

Size 1: 1110 x 1666 pixel

Size 2: 1442 x 1998 pixel

Active Area

Size 1: 20 x 30 mm

Size 2: 26 x 38 mm



Software

- TWAIN interface
- Mediadent (optional) for optimal use and convenience



Thinner body

- Only 4.8 mm thickness
- Superb quality due to aluminum / fiber body



USB connection

USB 2.0 cable 2.7 meter length

Tear-resistant and flexible sensor body's connection



Water resistant

IP68 protection



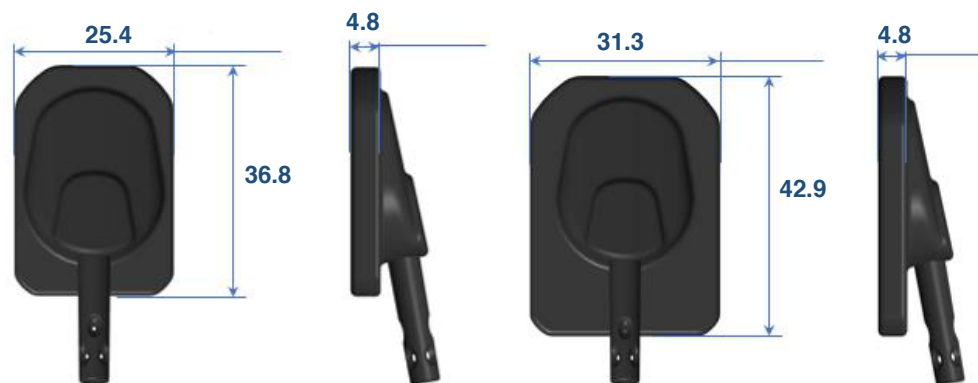
PC specification

Operating System: Windows® 10, Windows® 11 | CPU: Intel i5-2520M 2.5 GHz or superior | RAM 4GB | Video card 1024 x 768 resolution (ideally 1280 x 1024) | Hard drive 500 GB | USB Port 2.0

Specifications

of the Imagen GOLD Sensor

Parameter	Unit	Size 1	Size 2
Sensor Type	-	CMOS Photodiode Array	
X-ray convertor	-	FOS (FOP + Csl)	
Dimensions (W x L x H)	mm	25.4 x 36.8 x 4.8	31,3 x 42,9 x 4.8
Weight	gr	Less than 100	
Pixel Size	µm	18	
Active Area	mm	20 x 30	26 x 38
Number of Active Pixels	pixels	1110 x 1666	1442 x 1998
Data output	-	USB 2.0 type A	
USB cable length	m	2.7	
Electrical rating		DC 5V, 500 mA	
Operation mode		Global shutter	
Protection against water		IP68	



Optimal results

with Mediadent Software

- Compatible with most dental imaging systems like panoramic devices, sensors, phosphor plate scanners, intra-oral cameras and 3D devices
- Real-time and easy state of the art filtering of images
- Increased “patient-safety” due to visual filtering applied within the acquisition window before saving the image
- Accurate measuring due to automatic calibration of the sensor image
- DICOM compatibility



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