

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



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



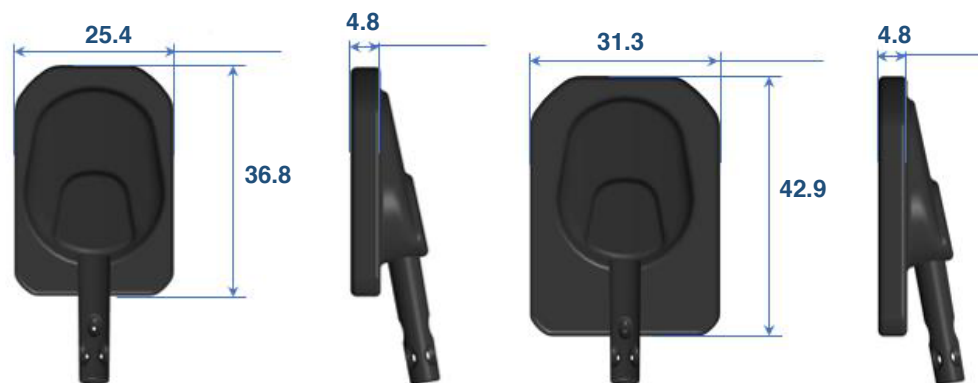
PC specification

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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