

State of the art sensor to obtain intraoral images

- CMOS technology
- 4,8 mm thickness
- Rounded corners
- Flat smooth surface
- Two sizes
- Silicone protective cover

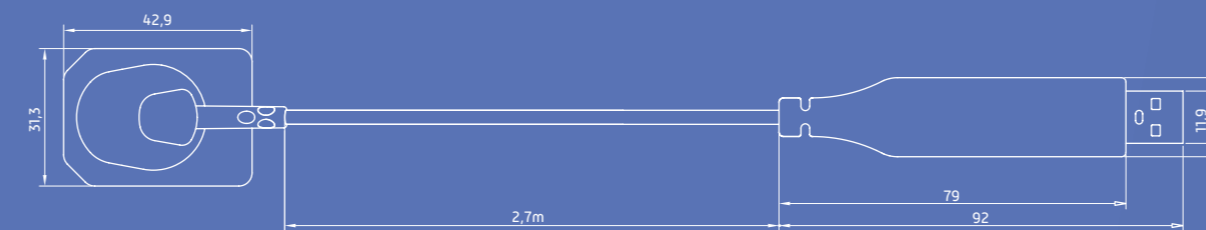
| PARAMETER | UNIT | SIZE 1 | SIZE 2 |
|-------------------------|-------|--------------------------------------|-------------------|
| Sensor Type | - | CMOS Photodiode Array | |
| X-ray convertor | - | FOS (FOP+Csl) | |
| Dimensions (WxLxH) | mm | 25,4 x 36,8 x 4,8 | 31,3 x 42,9 x 4,8 |
| Active Area | mm | 20 x 30 | 26 x 38 |
| Number of Active Pixels | pixel | 1110 x 1666 | 1442 x 1998 |
| Pixel Size | µm | 18 | |
| Pixel shape | - | square | |
| Degree of Protection | - | IP68 | |
| USB cable length | m | 2,7 | |
| Electrical rating | - | DC 5V, 500 mA | |
| Operation mode | - | Global shutter | |
| Spatial resolution | lp/mm | 20 typical (theoretical 25) | |
| Photodiode detector | - | Positioned outside of sensitive area | |

| PARAMETER | UNIT | VALUE |
|--------------------------------------|-------|-----------------------------|
| Supply voltage DC | V | 5 |
| Power supply | - | Directly via USB connection |
| Maximum absorbed current | mA | 500 |
| Frame rate | fps | 0.7 |
| Typical dark current @23°C | LSB/s | 350 |
| Saturation level pixel (@70 kv) | µGy | 340 |
| Dynamic range | dB | 57 |
| X-RAY response non uniformity (XRNU) | - | ± 30 % |
| Total dose irradiation | Gy | 50 |

ODM SENSOR 1.0 SIZE



ODM SENSOR 2.0 SIZE



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TD12-EN-RT-I-VIEW GOLD

I-VIEW GOLD CMOS Intraoral Sensor

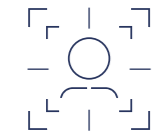


trident

Discover a world of images

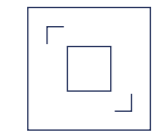
trident

I-VIEW GOLD MEANS:



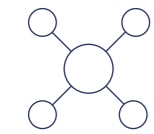
HIGH DEFINITION DIGITAL IMAGES

I-View Gold 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. Pixel size: 18 µm



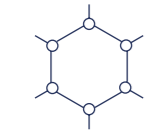
LARGER ACTIVE SURFACE

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



MULTIUSER CONNECTION

The software can be installed on several computers. The license allows up to ten users on the network simultaneously.



THINNER BODY

Only 4.8 mm thickness



USB CONNECTION

USB 2.0; 2,7 meter long cable; tear resistant and flexible connection sensor to cable.



WATER RESISTANT

IP Code: IP 68. The sensor was designed to withstand dust, dirt and sand, and is resistant to submersion underwater.

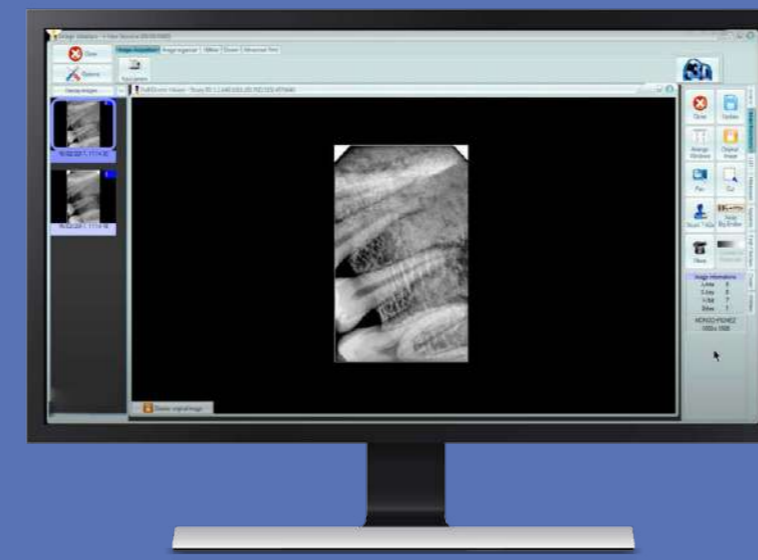


PC SPECIFICATION

Operating System: Windows® 8 (64 bit), Windows® 10 | CPU: Intel i5-2520M 2.5 GHz or superior | RAM 4GB | Video card 1024 x 768 resolution in 65,000 colours (ideally 1280 x 1024 - 16 million colours, 32 bit) | Hard drive 500 GB | USB Port 2.0 type A

ADVANCED SOFTWARE TECHNOLOGY

Deep-View imaging suite is a complete and integrated software for intuitive navigation with several advanced features to obtain and manage thousands of high definition images for more accurate diagnosis.



Twain interface
DICOM files format
Bridge function included
Multiple database management
Automatic calibration files
No need post-process

EFFICIENT

Save time, optimize files' management, and speed up the workflow

EASY TO USE

Run the amazing features of Deep-View in a few simple steps

MULTIPLATFORM

The interface innovative design makes Deep-View easy to use in multiple devices

SECURE

Advanced cryptography techniques ensure data protection

HIGH DEFINITION IMAGES WITH NO FILTERS

Thanks to a highly evolved calibration tool, images obtained with I-View Gold do not need post-processing: during the acquisition phase the calibration files remove any possible imperfection by reducing noise and increasing details.

