An essential tool for every dental practice Simplicity in details Outstanding performance

Trident puts the most modern imaging technology within everyone's reach with this incredible sensor that allows obtaining fantastic images in less time.

trident

PARAMETER	UNIT	SIZE 1	SIZE 2
Detector Technology	-	APS CMOS	
Sensitive area structure	-	CsI directly deposited (Ti)	
Ingress protection code	-	Equivalent to IP68	
Dimensions W x L x H	mm	25,4 x 36,9x 4,4	30,4 x 41,9 x 4,4
Sensitive area (active)	mm	20 x 30	26 x 36
Number of active pixels	pixel	1000 x 1500	1300 x 1800
Pixel size	µm	20	
Pixel shape	-	squared	
Data output	-	16 bits ADC	

PARAMETER	UNIT	VALUE
Supply voltage DC	V	5
Power supply	-	Directly via USB connection
Typical absorbed maximum	mA	250
Dark noise	lb	< 18
Maximum linear dose	µGy	≥ 600
Response linearity	-	≥ 0,99
Theoretical resolution	lp/mm	25
Measured resolution	lp/mm	≥ 20
Dynamic range	dB	≥ 70
Global non-uniformity	-	≤ 5%
Total dose irradiation	Gy	≥50
X-ray shooting mode	-	AED
AED activation threshold	-	400 µGy/s
X-ray energy	kV	55 to 100

LATEST GENERATION HD MULTILAYER SENSOR

ROBUST CABLE CONNECTION
50000+ Bending RA test passed

APS CMOS SENSOR AND DIRECT DEPOSITION CSI TECHNOLOGY
Low dose and higher sensitivity image quality

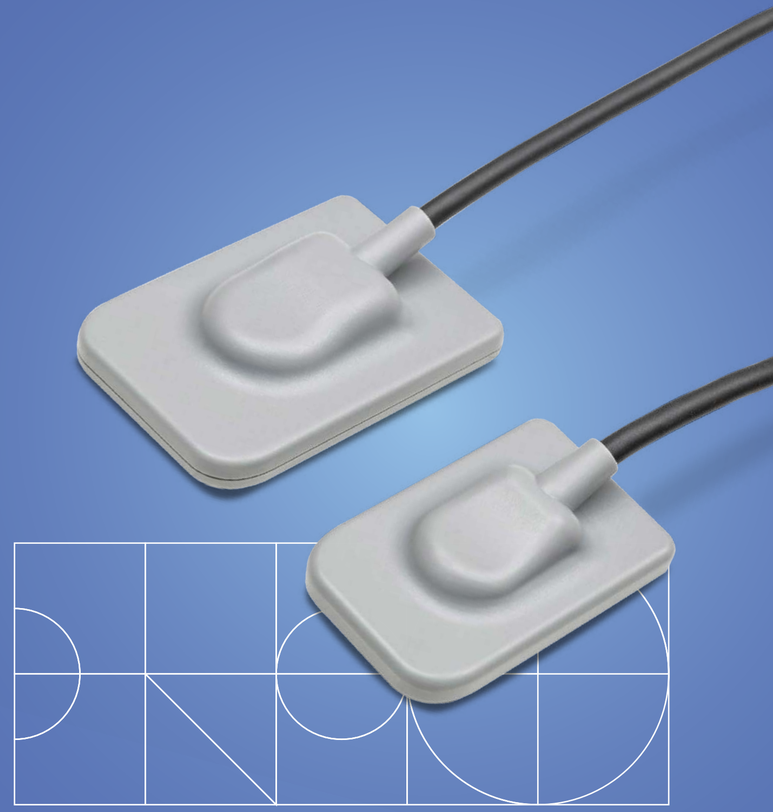
RIGID CNC DESIGN WITH ULTRASOUND WELDING PROCESS
Ultra-light and reliable sensor with IP68 protection

Trident S.r.l.
Via Artigiani, 4 25014 Castenedolo
Phone +39 030 2732485
info@trident-dental.com

www.trident-dental.com

TD13-EN-R1-I-VIEW SILVER

I-VIEW SILVER
CMOS Intraoral Sensor



Discover a world of images

trident

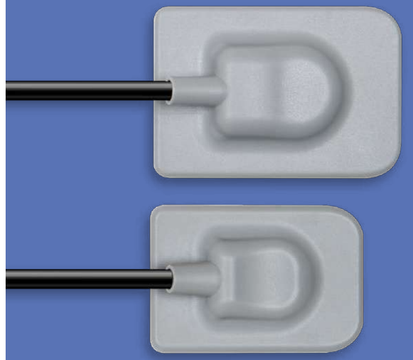
ADVANCED SOFTWARE TECHNOLOGY

Deep-View is a modern imaging software designed by Trident to efficiently acquire, organize, store and share digital images. It has a wide range of integrated functions to improve the diagnostic capabilities and enhance the office workflow:

- Multiple database management
- Easy images acquisition device configuration
- Advanced image filters
- Wide choice and customization of templates for Full Mouth Series exams
- Images import/export in DICOM3 and other graphic formats
- Bridge
- Multilanguage

SAFE AND SECURE USB 2.0 CONNECTION DIRECTLY TO YOUR COMPUTER

Discover a world of images

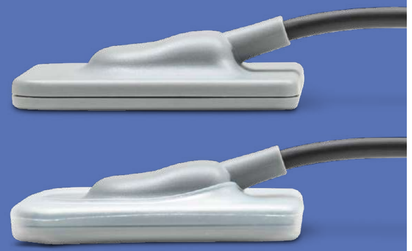


TWO SIZES

With an active area of
20 x 30 mm for size 1
26 x 36 mm for size 2

- Modern color block design
- Reliable cable connection
- Slim body, with only 4.4 mm thickness Rounded corners and flat perfectly smooth surface
- Exclusive silicone protection cover
- IP68 (Ingress Protection code)
- Automatic calibration files
- Bridge module to be compatible with most of the management software available in the market.

IP 68 determines how resistant the sensor is to fresh water and common raw materials like dirt, dust and sand.

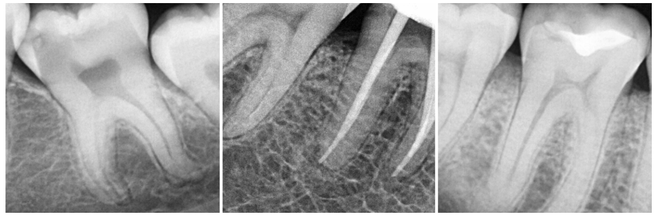


AED TECHNOLOGY (AUTOMATIC EXPOSURE DETECTION)

I-View Silver can guarantee the highest image quality within a broad spectrum of radiation which makes the image quality less dependent on the ray source.

With I-View Silver the probability of getting the wrong dose and obtaining underexposed or overexposed images is limited.

I-View silver uses an image calibration system directly derived from the CBCT and panoramic technology developed by Trident that allows obtaining maximum details and maximum resolution in every single take.



trident