PRODUCT CATALOGUE 2017
I-View
CMOS Intraoral sensor

Trident uses the best of CMOS technology to create I-View: an innovative sensor to get better diagnosis with outstanding images, saving both valuable time and space.

Key Features:
Rounded edges
Smooth, even surface
Highly flexible, hardwearing cable
Water-resistant
Replaceable cable
USB connection

Available in Two sizes
Easy installation
Easy images management
Deep View® software included
Twain options
Networking

<table>
<thead>
<tr>
<th>Active area</th>
<th>30 x 20 mm (size 1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33 x 25 mm (size2)</td>
</tr>
<tr>
<td>Pixel size</td>
<td>20 x 20 μm</td>
</tr>
<tr>
<td>Number of Pixels</td>
<td>1,500 x 1000 (size1)</td>
</tr>
<tr>
<td></td>
<td>1,650 x 1250 (size2)</td>
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<tr>
<td>Distance between pixels</td>
<td>20 μm</td>
</tr>
<tr>
<td>Spatial resolution</td>
<td>20 lp/mm</td>
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<tr>
<td>Dynamic range</td>
<td>58 dB</td>
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<tr>
<td>Scintillator type</td>
<td>CsI</td>
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<tr>
<td>Connection to PC</td>
<td>USB 2 (A type) cable 2 mt</td>
</tr>
<tr>
<td>Supply voltage</td>
<td>5 V DC</td>
</tr>
<tr>
<td>Maximum absorbed current</td>
<td>275 mA</td>
</tr>
<tr>
<td>Frame rate</td>
<td>0.7 fps</td>
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</tbody>
</table>

Sensor Holder kit available
Phosphor Plate Scanner

Reader was designed for maximum simplicity: it does not have any buttons. Just connect it directly to your computer via USB cable and start to work.

Obtain sharp images with 14.3 lpmm real resolution in less time. Reader takes 20 seconds for sending the image to the computer and clean the plate for a new use.

It is very compact and light, measures 170 x 190 x h300 mm only and weighs 7 Kg.

Plates available on size 0, 1, 2 and 3

Key Features:
- Lightweight and compact
- DICOM network compatibility
- Deep View® software included
- Automatic plate size recognition
- Inner power supply adaptor to work from 100 to 240 V

Enjoy the best of phosphor plates
- No wires
- Less thickness
- Much more durable
- Right degree of flexibility
- Easy positioning for patient comfort.

4 plates startup kit included
RiX 70 AC
Intraoral X-Ray Unit

RiX-70, the traditional AC X-Ray generator with compact design and optimal image quality to assure many years of reliable operation.

Key Features:
- Low dose setting for digital receptors
- 0.7 focal spot
- Perfect results with any image receptor
- Back up timer
- Wide range of exposure times going from 60 ms to 2.0 s
- High heat capacity generated by 70 kVp and 7 mA

Available in wall mounted and mobile version.
Safe and easy installation.
Automatic/Manual exposure values adjustment.
Two lengths extendable arm, 60 and 80 cm.
Hand switch with 3 m coiled cord.
Solid arm to reduce any risk of tube head vibration during the image acquisition.
Friendly control panel with LED buttons and intuitive graphics for a fast operation.

RiX 70 AC perfectly matches with I-View intraoral CMOS sensor and Reader the Trident phosphor-plate scanner.
RiX 70 DC
Intraoral X-Ray Unit

RiX-70 DC, the most advanced high frequency dental X-Ray unit for perfect images.

Key Features:
- DC technology for less radiation dosage
- DC generator with 0.4 mm focal spot
- Compatible with any image receptor
- Operates either 60, 65 or 70 kV
- Automatic setting of exposure time from 0.01 to 2.0 s

RiX 70 DC perfectly matches with I-View intraoral CMOS sensor and Reader the Trident phosphor-plate scanner

- Additional button pad for a fast selection of exposure values.
- Easy-to-read main control panel with quickly identifiable icons.
- Steady and strong support arm
- Handswitch provided with 3 meter coiled cord
- Clear and intuitive remote control
- Optional 35 x 43 mm rectangular collimator
- Wall-mounted and mobile version available
- 60 and 80 cm arm’s length
Trident introduces the most advanced CBCT – Cone Beam Computed Tomography – technology for the acquisition of volumetric images of the dental arch.

**High frequency** pulsed generator to acquire images in just 15 seconds.

**Dedicated software** to reconstruct high-quality volumetric images in less than 10 seconds.

**13 x 30 cm** 2D panoramic images, using the same sensor as for 3D images.

**8.5 x 8.5 cm** volume images in just 10 seconds

**2D PAN**

This model is a simple and efficient unit with a compact design.

**15 x 30 cm** 2D high definition images.

**TDI CCD sensor** for very sharp and high-quality images, with exposure time of 14.3s for children PAN /15s for adult PAN

**0.5 mm** focal spot.

**2D Programs**

- Adult panoramic
- Child panoramic
- Bitewing
- Sector panoramic
- Paranasal sinuses
- TMJ
- Orthopanoramic
- Reduced radiation panoramic

Available in upgradable and non upgradable version

**Key Features:**

- DC generator with 0.5 mm focal spot
- Pulsed generator for radiation dose reduction
- 7-inch touchscreen
- Easy patient positioning
- Multiuser Deep-View® software for reconstruction and management images
- Compact design, less space for installation
X-VIEW
3D PAN CEPH

X-VIEW is the integrated and affordable three in one system, designed and produced in Italy by trident, for the acquisition and management of 3D/2D/CEPH digital images.

Four different options to access the most advanced technology available on the market:

2D PAN
2D PAN CEPH
3D PAN
3D PAN CEPH

CEPH
In addition to the 3D/2D PAN, X-VIEW offers the cephalometric option. This model is equipped with an arm for cephalometry and the CR 2430 sensor, a flat panel phosphor plate with image reader incorporated that allows to obtain 24 x 30 cm high-definition cephalometric images in less than 2 seconds, using the exclusive single-shot technology.

2D PAN
Sensor TDI CCD
151 x 6.9 mm active area
15 x 30 cm HD images

3D PAN
CMOS Flat panel sensor
13 x 13 cm active area
Real FOV 8.5 x 8.5 cm (not stitching)

Cephalometric
Flat panel phosphor plate
Single shot
24 x 30 cm HD images
SOLE
Class B 17 & 22 liter autoclave

Because sterilization is not an option, Trident presents Sole, the class B autoclave with special features to guarantee a deeper sterilization.

Key Features:
- Automatic opening door system
- 12 sterilization cycles
- Stainless steel chamber
- Instant steam generator for faster cycles
- Perfect dry saturated steam by 98% of air extraction
- Messages available in multiple languages

Automatic water quality testing.
Automatic recognition of ambient pressure.
The fast cycle appropriately sterilizes solid instruments and materials in just 28 minutes.

USB connection to extract and store the sterilization cycles in a .txt file
Frontal ON/OFF switch.

Vacuum test, Helix test and B&D test available.

The tray holder can be rotated, and holds up to 5 trays or boxes for instruments.
Safety locking system: the door is automatically locked once the cycle starts.
Front loading and unloading water system.

Optional:
- Automatic water loading system
- Osmosis water purifier
SOLE & DROP

Direct Reverse Osmosis Purifier, DROP is the most innovative, eco-friendly and economical system to produce demineralized water.

The system is installed on the water tank space.

DROP guarantees a purify water with a conductivity level to produce a dry saturated steam of high purity suitable to protect the steam generator and hoses.

DROP operates with the inlet pressure of water and is equipped with a set of filters to produce around 500 liters of demineralized water—every sterilization cycle uses 0.5 l of water, so each filter guarantees pure water for running around 1000 cycles during their using life.

DROP is installed only under request
Tomex allows to obtain bone section images, specifically from the intraforaminal and symphyseal areas, the mandible’s portion and the frontal zone of the maxilla.

Tomex is essentially composed of a horizontal arm on which slide the housing for the X-ray tube and the intraoral sensor -from the opposite side- and by a rotatory handle perpendicularly connected, on which a chin support is inserted.

The patient holds the tool by gripping the vertical arm, while the operator are pointing through a collimator in vertical and horizontal laser beam.

Using an intraoral sensor performs sectional images allowing highlighting any element comprised between two cortical laminae, those buccal and lingual for extra oral projections.

The images are always bi-dimensional but represent the third dimension, that of thickness, impossible to assess with not tomographic techniques.
Accessories

Trident offers all the necessary complements to enhance the performance and get the best of your radiographic and sterilization devices.

Phosphor plates, hygienic bags and covers

With a 100% active surface, rounded corners and cable-free usability, the Trident phosphor plates are created for the comfort of your staff and patients. The Trident phosphor plates are available in four sizes, ideal for all clinical uses:

- Size 0 31 x 22 mm, 726 x 1024 pixel
- Size 1 40 x 24 mm, 792 x 1321 pixel
- Size 2 41 x 31 mm, 1024 x 1354 pixel
- Size 3 54 x 27 mm, 891 x 1783 pixel

The hygienic sleeves offer an effective barrier against cross infection; the protective cover helps to extend the plate’s useful life.

Sensor holder

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.

- Ergonomically designed for greatest patient comfort.
- Securely holds sensor in place while give you the precision and control you need to obtain the right shot easily and effectively.
- Available in two size, size 1 and size 2, in bright and vivid colors for easy identification.
- One ring, no changing between different rings for specific images.
- Just by turning on the sensor holder, it is possible to use it in the upper and lower jaw.

Bag sealer

Use pouches to sterilize your instruments and keep them safe and protected.

Trident bag sealer makes it possible to package instruments in pouches of any size with no plastic waste.

Packaging, sterilize and mark your pouches, three simple steps to keep clean and safe instruments for more time.