CUSTOMISED CLINICAL IMAGE IES - MULTILEVEL



CASTELLINI IES FILTERS (IMAGE ENHANCEMENT SYSTEM)

Latest-generation X-VS image processing software aims to improve diagnostics. With excellent image resolution and a user-friendly software interface, X-VS makes reading intraoral images simpler and easier. The new CASTELLINI iES (Image Enhancement System) filters are the result of research that focuses on dentists' real needs. By using proprietary algorithms optimised for the X-VS sensor, dentists can simultaneously capture, display and share a set of Multi Level images (up to 5). Each image is the result of a different improvement designed to highlight various anatomical details with different levels of sharpness. Dentists can customise image contrast to suit their diagnostic or visual preferences, allowing improved diagnosis. Afterwards, favourite settings can be rendered automatic.

Equipped with advanced iRYS software, the X-VS now offers the versatile MultiLEVEL function, which lets users pre-set the image processing filters displayed in Multi Level. Users can select which filters to use from among the pre-set families and define any further customisations, all from the iRYS image display window. This provides individual dentists with a customised comfort zone for every appointment.



External dimensions (mm)

Maximum resolution (lp/mm)

Thickness (mm)

Pixel size (µm)

Grey levels depth

Scintillator technology

Direct exposure protection Protection rating

Compatibility with X-ray generators

Image capture software (for PC)

Minimum system requisites

Supported operating systems

Pixel matrix

Connectivity

Supported protocols DICOM nodes

Display settings

Working frequency

Voltage at X-ray tube

Additional collimators

Max. arm extension

Arms (for Standard version only)

Focal snot Total filtration

Annde current

Exposure times Source-skin distance

Irradiated field

Power supply

Duty Cycle

Power supply

38.9 x 24.9

1500 x 1000

FOP (Fibre Optics Plate)

DICOM 3.0, TWAIN, VDDS

USB 2.0 or subsequent

0.4 mm (IEC 336)

2.0 mm Al @ 70k\

20 and 30 cm

230 cm, from wall

4 / 8 mA 60 / 65 / 70 kV (*)

5 V DC, 500 mA (via USB)

Direct USB to PC

14-bit acquisition - 16384 maximum grey levels

CsI (Cesium Iodide) with micro-columnar structure

IP 67 (Guaranteed against liquid or dust infiltration)

iCapture with dedicated filters for third party software

Image management software (for PC) iRYS (as per ISDP@10003:2018 in compliance with EN ISO/IEC17065:2012 - certificate number 2019003109-1) and iPad iRYS viewer app (free)

Microsoft® Windows® 10 Professional 64 bit

1280x1024; 1344 x768 or greater, 16 million colo

Constant potential, microprocessor-controlled 145 - 230 KHz with self-adjustment (typically 175 KHz)

0.020 - 1.000 seconds, R'10 and R'20 scale

Ø 60 mm and Ø 55 mm (with round cone)

50/60 Hz, 115-120 V AC ±10% or 230-240 V AC ±10%

Standard (wall mounted) or Mobile (on portable cart)

Available in 3 lengths: 40 cm - 60 cm - 90 cm

Continuous operation with self-adjustment up to 1s/90s to

for size 1 and size 0 sensors

5.3

20

41.9 x 30.4

1700 x 1300

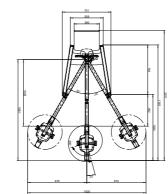
Any AC or DC technology X-ray generator with kV values in the 60 - 70 kV range and

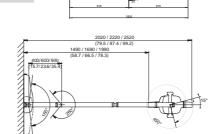
IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS; Query/Retrieve)

35 x 45 mm (with rectangular cone for size 2 sensors), 31 x 41 mm and 22 x 35 mm,

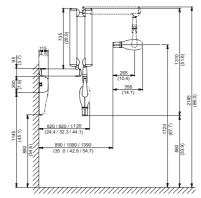
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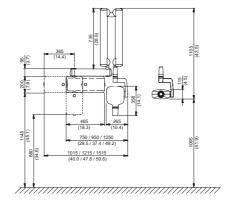
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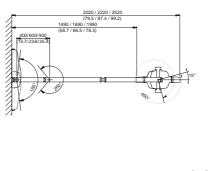




(*) values depend on the country where the product is marketed.











RXDC X-VS IMAGING THE PERFECT DIMENSION OF IMAGING

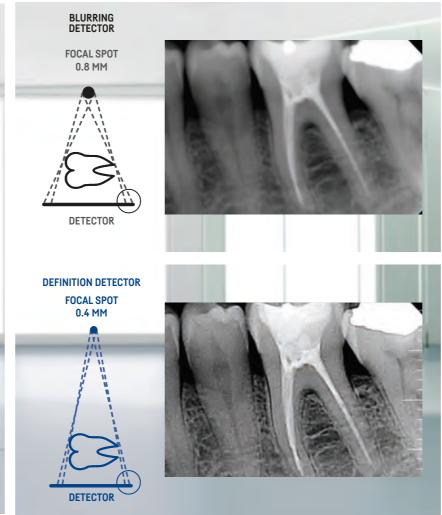


RXDC X-VS IMAGING THE PERFECT DIMENSION OF IMAGING

IMMEDIATE DIAGNOSIS, **EXCELLENT RESULTS**



The RXDC is a versatile, user-friendly X-ray unit, capable of producing high quality imaging thanks to cutting-edge technology. It also maximises working comfort while ensuring low X-ray doses for the patient and maintaining ultra-high performance. The RXDC, in fact, uses a constant potential high frequency (DC) generator and a very small focal spot (0.4 mm) that provides sharp, detailed images. Automatic exposure parameter modulation and accurate power selection make the RXDC the perfect X-ray unit whatever the situation, personalised according to the patient's build and the specific region of investigation. The RXDC is the perfect X-ray unit, capable of combining high quality imaging and a versatile, ergonomic design with low patient doses.



already in the surgery.

MINIMUM DOSE, HIGH DEFINITION,

HIGH FREQUENCY RXDC X-RAY UNIT

The RXDC increases X-ray parallelism: thanks to the incorporated collimator the RXDC can achieve a source-to-skin gap of 30 cm. Sharp edges, clear images and precise detail, all while keeping patient doses low. Ergonomic design, offers simplicity and reliability thanks to solid extruded aluminium arms with an integrated selfbalancing system. Arm and tube head positioning is comfortable and stable. The protractor with graduated scale allows easy positioning.

MAXIMUM VERSATILITY AND MOBILITY

The RXDC is now even more practical and versatile, wall-mounted with 6 variable positions - 3 extensions available in the following lengths: 40, 60 and 90 cm - or, thanks to the cart, it can easily be moved around for use in different areas of the surgery. One X-ray unit for all your needs.



COLLIMATOR CONES

With the built-in collimator cone, a focusskin distance of 30 cm can be reached. The optional rectangular cone further reduces the body area exposed to X-rays.



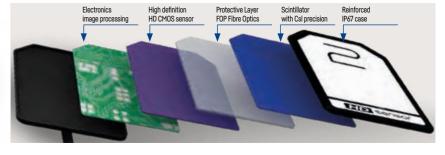
USER-FRIENDLY CONTROL

Simple, user-friendly handheld unit, can be used to select the most suitable programme and ensure perfect X-ray acquisition. Moreover, thanks to the fast Dynamic Duty-Cycle, it is possible to keep tube temperature under control and check - in real time - the exact administered dose.



MADE-TO-MEASURE SENSOR

of the patient's oral cavity. Outstanding positioning comfort thanks to rounded and a maximised active area.



Innovative ergonomics, direct USB plug-and-play connection, high definition and immediate

sensor for your surgery. Simplicity of use and image acquisition - combined with advanced

real-time digital technology - improve quality of work. Impact-resistant, dust-resistant and

certified IP67 (water-resistant), the X-VS - X-ViSUS HD technology can be used with all

X-ray systems. The X-VS - X-ViSUS HD technology uses iRYS, the all-in-one software for

storage, processing and printing of images in perfect synergy with any other devices

diagnostics, communication and management of intraoral imaging which allows flawless

results make the X-VS with X-ViSUS HD technology the most advanced and suitable

LATEST-GENERATION HD SENSOR

X-VS - X-ViSUS HD technology allows users 4-layer sensor with an additional protective layer to provide sharp, high-contrast images. to choose between two sensor sizes; these Caesium lodide (CsI) scintillator made up of column-like micro-structures that preserve make it more adaptable to the dimensions image quality; it first intercepts the X-ray beam and converts it into visible light. The Fibre Optics Plate (a layer of fibre optics) collimates the radiation onto the sensor and protects it against direct X-ray penetration. The high definition (CMOS HD) acquisition device and oncorners; high performance, compact design board electronics convert the light into a digital image with 16,384 grey levels.

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