

RADIO LOGY



Innovative tools for diagnostic imaging



1 IMAGING & RADIOLOGY

We have developed, through the partnership with an important company specialized in this field, **a line of products dedicated to radiology**, guaranteeing our customers an ever wider range of simple and reliable

products. We market our products **ALL OVER THE WORLD** guaranteeing professionalism, competence and technical assistance in a very short time.



2 INTRAORAL CAMERA



DRCAM 5

Full HD camera

Get the best images with our **FULL HD** camera. Capture videos and store them. Turn the camera head angle to get the most comfortable working position. The next-generation camera for your practice.

SOFTWARE

The software is integrated. It allows the patient registration. You can record images and videos, store them in patient folder and modify them in case of need. You can print your images and videos in few seconds or share them on-line or with your management system.

MINIMUM SYSTEM REQUIREMENT

PC SYSTEM 3.3GHz CPU, 4GB RAM
OS windows 7
USB PORT USB 2.0

FEATURES



AUTO FOCUS

Can get clear images with auto focus function into the oral cavity

FHD IMAGE

Can get high definition images without distortion

BUILD-IN MOUSE

Useable as a mouse

ADJUSTABLE LED BRIGHTNESS

To avoid image quality loss by light reflection, can adjust LED brightness

COLOR IMPRESSION

Adjusts the color impression on camera to fit different monitors or screen

280° TWIST HEAD

Easy to get approach anywhere into the oral cavity

BLACK AND WHITE FUNCTION

Can take and send analog X-ray film image to PC

PLUG & PLAY

No need additional driver to be installed on the device

EASY TO CAPTURE

Easy to capture the image by using the camera only, without extra devices like foot pedal, etc..

SOFTWARE COMPATIBILITY

The camera can be used with most of the dental imaging software. It will need twain driver for some of dental imaging software.



3 RVG SYSTEM



RVG SENSORS

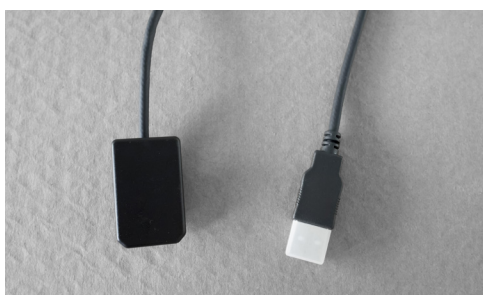
High quality images

The sensor captures **HIGH-QUALITY IMAGES** in real time. You can get instant images, without the use of film or chemicals. It saves time, thanks to the high-speed data transmission and its extremely easy connection. The RVG sensor makes dental records easier to manage and prolongs their useful life. Subsequently, the specific software facilitates the identification of the images and allows to improve their analysis.

High-definition digital images. Easy to install, handle and transport.

Our intraoral sensors produce perfect, top-quality images with excellent resolution (20 lp/mm). This exclusive intraoral sensors with **TECHNOLOGY CMOS** are designed to help you simplify your work. High resolution images with the least exposure to radiation. Save both space and time using **IMAGEN RVG SENSOR** for image acquisition.

Size 1



Ideal for standard examination, with a sensitive (active) area of **30 x 20** mm.

Size 2



With a sensitive area of **36 x 26** mm, this size is ideal for tasks that require a larger active surface.

TECHNICAL DATA

- ACTIVE AREA	30 x 20 mm / 33 x 25 mm
- PIXEL SIZE	20 x 20 µm
- NUMBER OF PIXEL	1500 x 1000 / 1650 x 1250
- DISTANCE BETWEEN PIXELS	20 µm
- SPATIAL RESOLUTION	20 lp/mm typ
- DYNAMIC RANGE	58 dB
- SCINTILLATOR TYPE	CsI
- CONNECTION TO PC	USB 2 (A type) cable 2 mt
- SUPPLY VOLTAGE	5 A DC from USB
- MAX ABSORBED CURRENT	275 mA
- FRAME RATE	0.7 fps
- DARK CURRENT TYPICAL 23°C	350LSB/s
- SATURATION DOSE (@70 Kv)	340 µm
- SENSITIVITY	15 LSM/µGy
- XRAY RESPONSE	30%
- NON UNIFORMITY XRNU	
- DEGREE OF PROTECTION	Equivalent to IP67
- OPERATING TEMPERATURE	0 to 35°Cw

SOFTWARE Archimed®

Archimed® is a dynamic, intuitive software that guides the user through its practical content by rapidly highlighting its essential functions. Archimed® can be used by several medical professionals at the same time, because the networking system has a capacity of to **10 USERS AT ANY GIVEN TIME**. Minimum requirements:

HARDWARE

CPU Intel i5-2520 2.5 GHz or superior
4GB RAM, Windows® 7 (32/64 bit) SP1, Windows® 8 (64 bit), Windows® 10, HDD 500 GB, USB 2.0 A type, Graphics 1024x768 res. 65000 color min.

4 RADIOGRAPHY



X-RAY RX70 DC

High frequency

RX70 DC means amazing results with all the advantages of the more advanced electronic technology: rather than using alternating current, **RX 70 DC applies a nearly constant potential to the tube.** This constant potential supplies the tube with DC current, resulting in a constant stream of consistent radiation that maintains the preset kV values even with mains fluctuations.

Available in wall mounted version or mobile on cart. Compatible with any image receptor, intraoral sensor, traditional film or phosphor plates. **Its flexible and stable arm is available in 40, 60, 80 and 100 cm length.**

A brand new system designed to make even easier the installation of your DC intraoral X-Ray unit. The new mounting system reduces time and effort, a single technician can easily install the X-Ray unit. The special connection feature allows to easily plug the four main parts which compose the X-ray unit: timer, extension arm, scissor arm and generator.



FEATURES

- **Automatic Voltage Transformer:** RiX-70 DC appropriately works in a range from 100 to 240 V.
- **Reduction of radiation dose:** DC Generator allows radiation stability eliminating rays that does not produce images but can be harmful for the patient.
- **0.4 mm Focal Spot**
- **Tube Voltage Selector:** RX-70 DC operates either 60, 65 or 70 kV.
- **Automatic setting of exposure time** from 0.01 to 2.0 s.
- **Optional remote timer**

TECHNICAL DATA

- | | |
|----------------------------------|--|
| - Voltage | 100/240 V AC $\pm 10\%$ |
| - Frequency | 50/60 Hz |
| - Electric current | 4/8 A |
| - Max power consumption | 920 VA Fuse - T 6.3 / T 10 A |
| - Focal spot | 0.4 mm |
| - Anodic electric current | 7 mA $\pm 15\%$ |
| - Selectable 60, voltage to tube | 65 or 70KV $\pm 10\%$ |
| - Duty Cycle | 1/60 |
| - Total Filtration | > 2.1 mm Al |
| - Focus skin distance | 22 cm (8 5/8 inch) |
| - Round collimator | Output radiation field 6 cm (2 3/8 inch) |
| - Weight | 7.5 Kg |

COMP ANY

always at your side



PRODUCTION

The production process is the heart of our company, and for this reason we follow every stage with particular care, starting from the choice of materials, paints and components, to assembly and final control. Each unit, in fact, is subjected to a careful double check, carried out by our specialized technicians, during assembly phase and before shipment. Our **ISO 9001 and ISO 13485 standards** testify that these processes are actually carried out and respected.



STOCK

We want to be extremely **fast in deliveries**, so we always have in stock several units, in large part already assembled and ready to be configured according to our Customers needs. All the necessary parts and all the options are **available in stock** and we can complete the assembly of the unit and arrange the delivery in a few days.



SHIPMENT

The shipment can be arranged according to each customer's needs. We usually ship the unit in a **single pallet** with separated carton boxes containing each part of the unit. This makes super easy to transport the carton boxes inside the clinics during download and installation. But, If required, we can also ship the unit in separated 2 pallets, for example to fit packaging to air delivery.



ASSISTANCE

WARRANTY EXTENSION

The standard warranty on our dental units covers a period of **1 year** but, if you want, you can extend the warranty **up to 5 years**.

WATCH OUR VIDEOS

On our **website** and on our **YouTube** page you can find many videos of the unit, on its configuration, on the options available, tutorial videos for the installation, maintenance, sanitization, etc., in order to set up and take care of your chair in the best way possible.

WEBSITE & SOCIAL

www.simplesmart.it

We created this website to support our dealers and customers in the best way possible. You can have a complete overview on our company and our products, you can even configure your customized unit. Using our **configurator** you can receive a personalized quotation without any purchase obligation.

With Simple&Smart you can always find the best and simplest solution for your needs.

Follow our social media pages to discover more and to be updated on our news, products and events.

LIVE ASSISTANCE

WhatsApp number on request if you are our dealer.

We are **always at your disposal**. You just have to contact our live assistance department on Whatsapp. Our technical staff will assist your technicians to solve your problem in few minutes.

REPORTS ON FILES

Complete **PDF reports** are available to be sent by email. Detailed information for **problem solving** are explained in a specific manner on the bases of the problem you have indicated.



CERTIFICATES

ISO & CE CERTIFICATES

Our dental units are Class IIa medical devices. The EC Certificate and ISO 13485 Certificate ensure that our products and procedures are compliant to the regulations in force and to the severe ISO standards. Our dental units are certified CE1370. These certifications guarantee the quality of our products and services.



CERTIFIED TECHNICIANS

TECHNICAL ENABLING CERTIFICATE
FOR THE INSTALLATION AND MAINTENANCE
OF SIMPLE&SMART DENTAL UNITS
On the bases of the latest version of the installation manual.

Today, _____
Mr/Sir _____
Company _____
with this authorization is a specialized technician of

 **simple&smart**

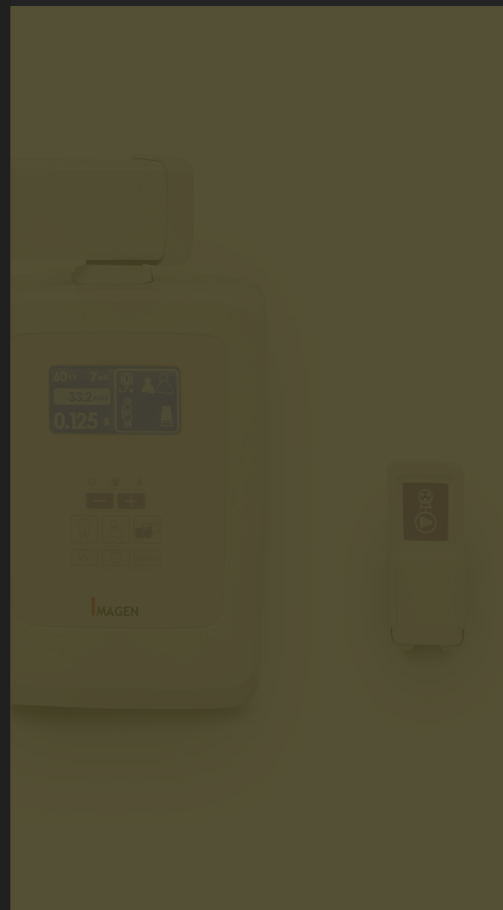
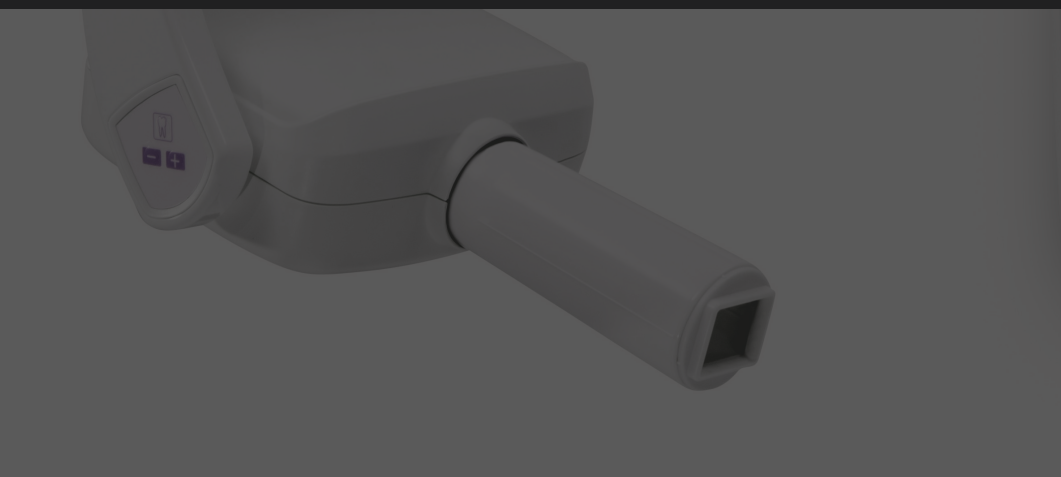
S&S
TECHNICAL DEPARTMENT MANAGER

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To ensure a perfect installation and a proper after sales assistance service, Simple&Smart certifies all the distributors' technicians, after attending a **specific training**. An Enabling Certificate is issued to the technician. All this, in order to **provide a safe and reliable product to the customers and a professional and precise technical support.**

■ simple&smart



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