

# RADIOLOGY

RVG SENSOR - CAMERA - RX - PHOSPHOR SCANNER

## Simple & Smart

### WORLDWIDE

We market our products **all over the world** guaranteeing professionalism, competence and technical assistance in a very short time. In the last year we have developed, through the partnership with a company specialized in this field, **a line of products dedicated to radiology**, guaranteeing our customers an ever wider range of simple and reliable products.

Commercializziamo **in tutto il mondo** i nostri prodotti garantendo professionalità, competenza ed assistenza tecnica in tempi brevissimi. Nell'ultimo anno abbiamo sviluppato, attraverso la partnership con una ditta specializzata nel settore, **una linea di prodotti dedicati alla radiologia**, garantendo ai nostri clienti una gamma, sempre più ampia, di prodotti semplici ed affidabili.

Nous commercialisons nos produits **partout dans le monde** en garantissant professionnalisme, compétence et assistance technique dans un délai très court. Au cours de la dernière année, nous avons développé, en partenariat avec une société spécialisée dans le secteur, **une gamme de produits dédiés à la radiologie**, garantissant à nos clients une gamme toujours plus étendue de produits simples et fiables.

Comercializamos nuestros productos **en todo el mundo**, garantizando profesionalidad, competencia y asistencia técnica muy rápida. En el último año, hemos desarrollado, a través de la asociación con una empresa especializada en el sector, **una línea de productos dedicada a la radiología**, que garantiza a nuestros clientes una gama cada vez más amplia de productos simples y confiables.

# INTRAORAL CAMERA

by simple&smart

CAMERA FULL HD

#### Auto focus

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

#### FHD image

Can get high definition images without distortion

#### Buil-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 & 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.

Get the best images with our FULL HD camera. Capture video and store it. Turn the camera head angle to get the most comfortable working position. This is a next-generation camera.



#### 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 online or with your management system.

#### MINIMUM SYSTEM REQUIREMENT

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

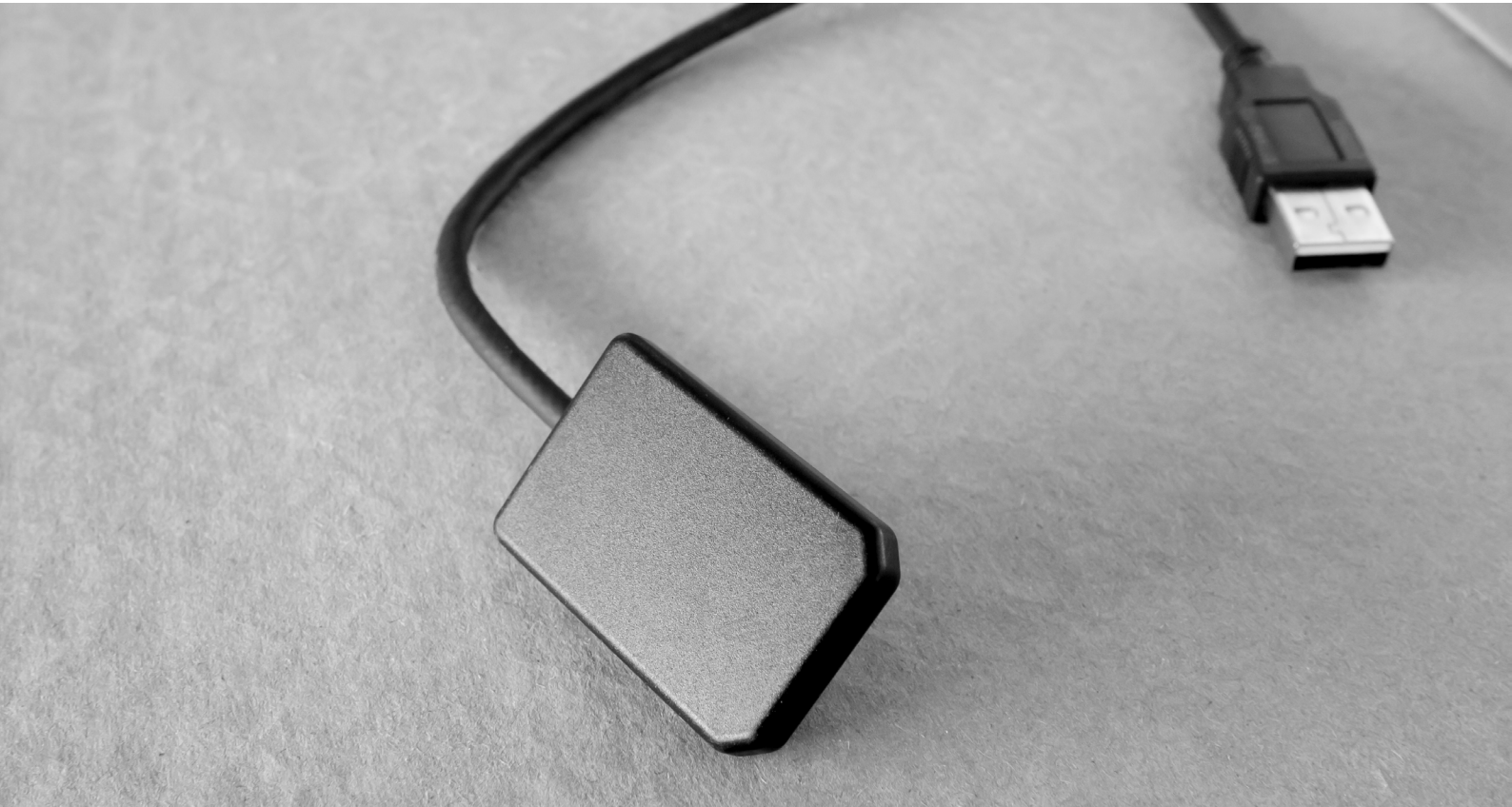


# RVG SYSTEM

by simple&smart

MADE IN ITALY

The exclusive intraoral sensor with technology CMOS ready to help you simplify your work



## Size 1

ideal for standard examinations, with a sensitive (active) area of 30 x 20 mm

### SOFTWARE Deep View®

Deep View® is a dynamic, intuitive software that guides the user through its practical content by rapidly highlighting its essential functions. Deep View® 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.

### HARDWARE

4GB RAM, USB 2.0 interface, CPU Intel i5-2520 2.5 GHz or superior, Windows XP (SP3) / 7 (32/64 bit SP1) / 8 (64 bit). Graphics 1024x768 ris. 65000 color min.

## TECHNICAL DATA

ACTIVE AREA	30 x 20 mm (size 1) 33 x 25 mm (size 2)
PIXEL SIZE	20 x 20 µm
NUMBER OF PIXEL	1500 x 1000 (size 1) 1650 x 1250 (size 2)
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 RAT	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°C

## Size 2

with a sensitive area of 33 x 25 mm, for tasks that require a larger active surface.

### Practical and productive IMAGEN SENSOR becomes operative immediately.

It captures high-quality images in real time, making X-ray film a thing of the past.

It saves time, thanks to the high-speed data transmission and how easy it is to connect.

It makes dental records easier to manage and prolongs their useful life.

Images can be stored on a PC, saving both space and time. Easy to install, handle and transport.



### High-definition digital images

The efficacy of a diagnostic tool able to identify a patient's condition or diseases he/she may have depends both on the experience of medical professionals and on the working tools used to support their knowledge. Our intraoral sensor produces perfect, top-quality images with excellent resolution (20 lp/mm). Both accurate picture of the teeth to be treated.



# RADIOGRAPHY

MADE IN ITALY

## RX 70 AC by simple&smart

The X-ray unit that is easy to handle, affordable long-lasting and ultra-flexible.



### To guarantee the maximum security to your patients it comes with:

An aluminium filter which improves the beam quality and reduces the radiation dose received by the patient.

An anatomic selector and digital display of exposure time.

An alarm triggered by any incorrect operation.

## WALL MOUNTED OR MOBILE ON CART

### TECHNICAL DATA

<b>Voltage</b>	<b>115/230 V AC ±10%</b>
<b>Frequency</b>	<b>50/60 Hz</b>
<b>Electric current</b>	<b>4/8 A</b>
<b>Max Power Consumption</b>	<b>920 VA Fuse - T 6.3/ T 10 A</b>
<b>Focal Spot</b>	<b>0.8 mm</b>
<b>Anodic Electric Current</b>	<b>7 mA ±15%</b>
<b>Selectable voltage to tube</b>	<b>70KV ± 10%</b>
<b>Duty Cycle</b>	<b>1/60</b>
<b>Total Filtration</b>	<b>&gt; 2.1 mm Al</b>
<b>Focus Skin Distance</b>	<b>22 cm (8 5/8 inch)</b>
<b>Round collimator</b>	<b>Output Radiation Field</b>
	<b>6 cm (2 3/8 inch)</b>
<b>Weight</b>	<b>7.5 Kg</b>



# LOW FREQUENCY

## 70AC means quality reliability and safety

- Hand-switch provided with 3 m coiled cord.
- Automatic correction for mains fluctuations selectable on request
- Back-up Timer
- Timer and hand-switch can be remotely mounted
- Compact head design
- Automatic setting of exposure time
- Flexible and stable arm available in 60 and 80 cm length
- Friendly control panel, LED buttons with easy to understand graphics
- Manual setting of exposure time from 60 to 2.0 seconds
- Child or Adult patient selection
- "Low dose" setting for digital receptors
- Dimension: 22 cm width, 33 cm height, 13 cm depth



# RADIOGRAPHY

MADE IN ITALY

## RX 70 DC by simple&smart

High Frequency intraoral X-Ray - EASY INSTALLATION

Brand new installation system designed to make it even easier to install your DC intraoral X-Ray unit. An easy and fast installation, made in Italy. The new mounting system reduces time and effort, a single technician can easily install the X-Ray unit, designed to be shipped in four main parts: Timer, extension arm, scissor arm and generator.

A special connection feature, built in the arm, enables to easily install the four parts, connecting all of them together using our brand new connection system.

Compatible with any  
image receptor:  
intraoral sensor,  
traditional film or  
phosphor plates

60 and 80 cm arm





# HIGH FREQUENCY

- **Automatic Voltage Transformer RiX-70 DC** appropriately works in a range from 100 to 240 V.
- **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**
- **RiX-70 DC** operates either 60, 65 or 70 kV.
- **Automatic setting of exposure time** from 001 to 2.0 s.
- **Optional remote timer**



Select the exposure parameters according to the patient morphology, tooth type and image receptor. Adapt the radiation dose to lower or higher values. Modify the exposure time for digital or film.

## WALL MOUNTED OR MOBILE ON CART

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.

### TECHNICAL DATA

<b>Voltage</b>	<b>100/240 V AC ±10%</b>
<b>Frequency</b>	<b>50/60 Hz</b>
<b>Electric current</b>	<b>4/8 A</b>
<b>Max Power Consumption</b>	<b>920 VA Fuse - T 6.3/ T 10 A</b>
<b>Focal Spot</b>	<b>0.4 mm</b>
<b>Anodic Electric Current</b>	<b>7 mA ±15%v</b>
<b>Selectable voltage to tube</b>	<b>60, 65 or 70KV ± 10%</b>
<b>Duty Cycle</b>	<b>1/60</b>
<b>Total Filtration</b>	<b>&gt; 2.1 mm Al</b>
<b>Focus Skin Distance</b>	<b>22 cm (8 5/8 inch)</b>
<b>Round collimator</b>	<b>Output Radiation Field 6 cm (2 3/8 inch)</b>
<b>Weight</b>	<b>7.5 Kg</b>

# PHOSPHOR PLATE SCANNER

MADE IN ITALY

by simple&smart

## High Frequency intraoral X-Ray - EASY INSTALLATION

The easier way to clear and lasting images. Make the move to digital imaging with the most advanced and flexible solution that combines all the advantages of the latest generation technologies for an outstanding diagnostic quality.

The scanner was designed for maximum simplicity: No buttons, just connect the device directly to your computer via USB connection and start to scan.

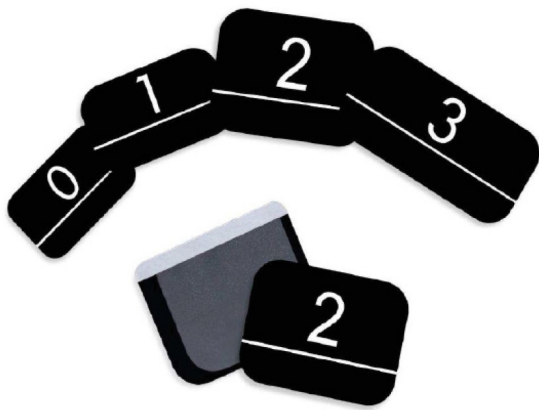
Once the plate is inserted into the slot, The scanner automatically recognizes the plate's size and starts to work. Viewer delivers highly precise digital images to any PC in less than 10 seconds.



User-friendly operation  
Powerful imaging software  
Real resolution 14.3 lp/mm  
DICOM network compatibility  
Plates erase automatically



The software allows DICOM network compatibility. Archimed is easy to integrate and the process of making-analyze images is quick and simple. With user-friendly interface and functional image processing tools, Archimed makes the whole procedure even more dynamic and faster than ever.



With a 100% active surface, rounded corners and cable-free, **S&S phosphor plates** are created to grant the comfort of your staff and patient. Plates come with the exclusive double guard system: the sleeves offer an effective barrier against cross infection and the protective cover, an extra protection that helps to extend the plates life. S&S phosphor plates **can be reused hundreds of times** and are as easy to use as film.

**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

## TECHNICAL DATA

<b>Plate sizes</b>	<b>0,1,2,3</b>
<b>Plate size identification</b>	<b>Automatic</b>
<b>Reading time</b>	<b>Less than 10 Sec.</b>
<b>Resolution</b>	<b>14,3 lpm</b>
<b>PC connection</b>	<b>USB2</b>
<b>Weight</b>	<b>7 Kg</b>
<b>Power supply</b>	<b>100/240 V, 50/60 Hz, 24 W</b>
<b>Measures</b>	<b>170 x 190 x h300 mm</b>
<b>Sensitivity settings</b>	<b>Automatic, on the required dose level</b>
<b>Software</b>	<b>ARCHIMED</b>

### MINIMUM SYSTEM REQUIREMENT

<b>Processor</b>	<b>Intel 32/64 bits dual core</b>
<b>Memory</b>	<b>At least 2 GB</b>
<b>Screen size</b>	<b>17"/19" HD</b>
<b>Matrix Display</b>	<b>1280 x 1024</b>
<b>Video memory card</b>	<b>128 MB</b>
<b>Hard Disk</b>	<b>&gt;100 GB</b>





Via Perola 16, Albino  
24021 - Bergamo - ITALY

[info@simplesmart.it](mailto:info@simplesmart.it)  
[www.simplesmart.it](http://www.simplesmart.it)

Phone: +39 (0)35-222955