

videograph

The easy solution for your intraoral diagnosis



radiology ahead



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CMOS sensor technology, for an excellent price-performance ratio



High image definition, granted by the theoretical resolution of 25 lp/mm



USB connection, making it an immediate tool for instantaneous diagnosis



Direct connection to computer, to make life easier to users and patients



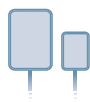
Rounded corners, as patient's comfort is the key for a precise diagnosis



Disinfectable by immersion, in order to preserve the safety of the patient



Multi-layer technology, with fiber optic + scintillator + shock absorption area



2 sizes available, to meet a complete range of application needs



For all generators, including those from other manufacturers



Sensor positioner, included as standard on HD version



Leveraging an enlarged experience in all sectors of dental radiology, Villa Sistemi Medicali includes in its product portfolio the Videograph, a hi-tech intraoral sensor available in two different models: "regular" and "HD".

Even in the entry-level version, Videograph permits to obtain superior image quality thanks to the theoretical resolution of 25 lp/mm, allowing to properly detect any district of patient's mouth: its use is therefore particularly appropriate for all General Dentistry applications, such as caries detection. On the other hand, for all applications requiring high detail visibility, Videograph HD goes a step further in image definition, thanks to the Caesium Iodide technology of its scintillator screen: the top level value of the Contrast Transfer Function makes the most of the sensor's technology, making it an ideal tool for Endodontics or Implantology. On both models of sensor, the powerful imaging software delivered as standard is able to optimize the quality of the acquired images, thanks to accurate processing tools and filters for image enhancement.

Any Videograph sensor features direct USB connection, without any intermediate electronic box, to maximize user friendliness. Its technology permits to work promptly with our Endograph DC intraoral generators, as well as with any other type of X-ray unit, also from other manufacturers. The comfort of patients is granted by the rounded sensor's corners, while safety is achieved thanks to the single-use protective sheaths and to the sensor's capacity to be disinfected by immersion.

Technical Data

External dimensions detector (length x width x thickness)

Active surface in size

Active surface in pixels

Theoretical detector resolution

Scintillator Technology

CTF - Contrast Transfer Function (at 70 kVp - 1,5 mm ABS filter)

Output - LSB (at 70 kVp -1,5 mm ABS filter)

USB cable length

Gray levels

Connection

Videograph

38,6 x 24,7 x 5,2 mm (#1) - 43,2 x 30,8 x 5,2 mm (#2)
1,6 x 1,0 x 0,2 in (#1) - 1,7 x 1,2 x 0,2 in (#2)

30 x 20 mm (600 mm²) (#1) - 34 x 26 mm (884 mm²) (#2)
1,2 x 0,8 in (0,96 in²) (#1) - 1,3 x 1,0 in (1,3 in²) (#2)

1500 x 1000 pixels (#1) - 1700 x 1300 pixels (#2)

25 lp/mm

Gadox

8·10⁻²
@ 10 lp/mm spatial frequency

1300 @ 100 Gy

3 m

14 bits (16384 gray levels)

Standard USB: USB 2.0 High-Speed (480Mbit/s) and USB 3.0

Videograph HD

38,6 x 24,7 x 5,2 mm (#1) - 43,2 x 30,8 x 5,2 mm (#2)
1,6 x 1,0 x 0,2 in (#1) - 1,7 x 1,2 x 0,2 in (#2)

30 x 20 mm (600 mm²) (#1) - 34 x 26 mm (884 mm²) (#2)
1,2 x 0,8 in (0,96 in²) (#1) - 1,3 x 1,0 in (1,3 in²) (#2)

1500 x 1000 pixels (#1) - 1700 x 1300 pixels (#2)

25 lp/mm

Caesium Iodide (CsI)

25·10⁻²
@ 10 lp/mm spatial frequency

1900 @ 100 Gy

3 m



ISO 9001:2008



ISO 13485:2003

Villa Sistemi Medicali Spa

Via delle Azalee, 3
20090 Buccinasco - Italy
Tel. +39 02 48859.1
Fax +39 02 4881844
vsminfo@villasmi.com
www.villasmi.com

Villa Radiology Systems

199 Park Road Ext., Suite 107
Middlebury, CT 06762 USA
Tel. +1 203 262 8836
Fax +1 203 262 8837
info@villaus.com
www.villaus.com

