



X-VS SENSOR	Size 1 – Standard	Size 2 – Large
External dimensions (mm)	38.9 x 24.9	41.9 x 30.4
Thickness (mm)	5.3	5.7
Pixel matrix	1500 x 1000	1700 x 1300
Pixel size (µm)	20	20
Max resolution (lp/mm)	25	25
Grey level depth	14 bit acquisition - 16,384 maximum levels of grey	
Scintillator technology	CsI (Caesium Iodide) with micro-columnar structure	
Direct exposure protection	FOP (Fibre Optic Plate)	
Degree of protection	IP 67 (Guaranteed against liquid or dust ingress)	
Compatibility with X-ray generators	Any AC or DC technology X-ray generator with values in the 60 – 70 kV and 1-8 mA range and precision control of exposure times	
Connectivity	Direct USB to PC	

X-VS SENSOR SOFTWARE

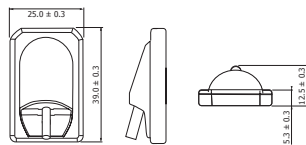
Acquisition software (for PC)	iCapture with dedicated X-VS image filters for third-party software and for automatic storage of RX DC exposure parameters on PC
Image management software (for PC)	iRYS (compliant with ISDP©10003:2020 in accordance with EN ISO/IEC17065:2012 - certificate number 2019003109-3) and iPad iRYS viewer App (free)
Protocols supported in iRYS	DICOM 3.0, TWAIN, VDDS
DICOM Node Connectivity	IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS; Query/Retrieve)
X-ray log	iRYS feature to associate exposure parameters with the X-ray images of each examination (exportable in PDF or CSV format)

X-VS MINIMUM SYSTEM REQUIREMENTS

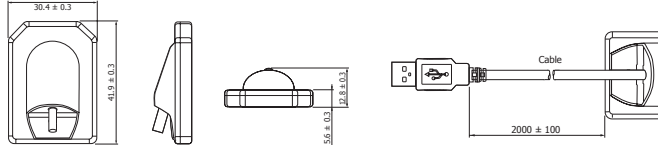
Supported operating systems	Microsoft® Windows® 10, 11 Professional 64 bit
Processor	Intel Core i3 or higher
RAM	4 GB (8 GB recommended)
Display settings	1280 x 1024; 1344 x 768 or higher, 16 million colours
Port	USB 2.0 or later versions
Power supply	5 V DC, 500 mA (via USB)



X-VS 1



X-VS 2



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X-VS SENSOR

The images and technical specifications shown in this catalog are for indicative purposes only. As part of ongoing technological updates, technical specifications may be subject to changes without prior notice. In accordance with current regulations, in non-EU areas some products, as well as certain technical specifications, may have different availability and configurations. We encourage you to always contact your local distributor for up-to-date technical specifications, availability and configurations.

11/2025 SXV5GB24/IS00



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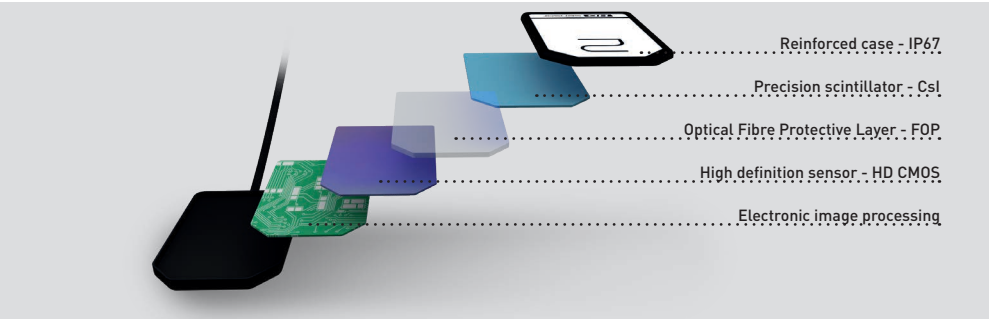
Advanced filters
and Multi-level vision

Thanks to the innovative iRYS image processing software, doctors can benefit from improved diagnostic effectiveness better responding to their needs. The intuitive software interface makes reading high-resolution images easier and more user-friendly. The Multi-Layer-Filters function stems from dentists' real needs. Thanks to proprietary algorithms specially optimised for the X-VS sensor, this function allows users to simultaneously acquire, display and share a set of images (up to 5), each with a specific improvement useful for highlighting anatomical details with different levels of sharpness. After

capturing, or by automatically setting preferred parameters, image contrast can also be customised based on diagnostic or visual preferences, allowing improved diagnostic precision, improving examination accuracy. Equipped with iRYS software, X-VS now offers the most advanced, versatile image processing filter pre-setting on the market. It is possible to select which filters to use among the pre-set families and define any further customisations, accessible from the iRYS image viewing window. This translates into a customised comfort zone for each professional and each situation.



Double format
X-VS is equipped with a sensor, available in two sizes - ergonomic and with rounded edges - which can be easily adapted to the anatomy of the patient's oral cavity, guaranteeing outstanding positioning comfort. Compact dimensions and a maximised active area ensure technologically advanced X-ray diagnosis.



Five layer sensor
Five-layer technology, for high-contrast images and precision detail. Cesium Iodide (CsI) scintillator made up of column-like micro-structures that preserve image quality; it first intercepts the X-ray beam and converts it into visible light. The fibre optics layer (Fibre Optics Plate) collimates the radiation onto the sensor and protects it from direct X-ray penetration. The third layer is the (CMOS HD) acquisition device which converts the light into a digital image with 16,384 grey levels. The fourth layer pre-processes the image and converts it into a USB signal. The last layer has a protective function.