



X-PSP MULTILEVEL DIGITAL IMAGING

PERFORMANCE AND STYLE



CASTELLINI.COM

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Due to our policy of constant technological upgrading, the technical specifications may be subject to change without prior notice. According to the standards in force, in extra-EU areas the availability and specifications of some products and/or characteristics may vary. Please contact your local distributor for further information.

TECHNICAL DATA

Resolution (theoretical)	17 lp/mm
Image pixel size	30 µm
Image grey levels	16 bit (65,536 grey levels)
Supported plate sizes	Size 0, 1, 2, 3
Plate size selection	Automatic
Read time	4 – 8 s
Plate Deletion	Automatic
Dimensions (H x L x P)	1224 x 163 x 290 mm
Weight	5,6 kg
Power supply	110 - 240 V 50/60 Hz (24 Watts)
Connectivity	ETHERNET direct to PC or in LAN
Acquisition software (for PC)	iCapture with Multi-Room interface for third party software
Image management software (for PC)	iRYS [complies with ISDP®10003:2018 as per EN ISO/IEC17065:2012 certificate number 2019003109-1] and App iPad iRYS viewer [free]
Supported protocols	DICOM 3.0, TWAIN, VDDS
DICOM nodes	IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS); Query/Retrieve

MINIMUM SYSTEM REQUIREMENTS

Supported operating systems:	Microsoft® Windows® 10 Professional 64 bit
Display settings:	1280 x 1024; 1344 x 768 or greater, 16 million colours
Port:	PC Server: RJ 45 PC Client connected in LAN



STYLISH AND EFFECTIVE.

Sleek and compact, the X-PSP scanner is a highly useful tool in any dental surgery. In addition to modern, essential styling, the device combines practicality and speed with diagnostic effectiveness thanks to advanced functions and outstanding versatility.



COMFORT AND DIAGNOSTIC QUALITY

Castellini presents a stylish, practical solution that combines digital technology with the ergonomics of film. The X-PSP scanner allows for accurate diagnosis via images that are obtained comfortably, practically and simply. Conveniently incorporated into the device, the removable drawer lets the dentist store the plates and carry them from one surgery to another.

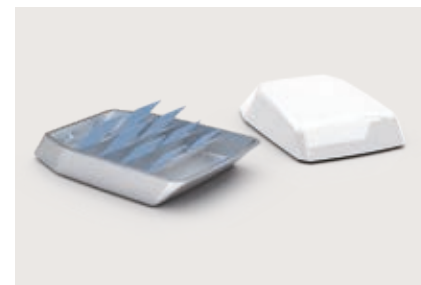


PLATE HOLDER BOX

Practical box for tidy storage of X-rays and their relative covers so they're immediately ready for a new acquisition.



LED STATUS INDICATOR

An indicator light shows scanner status, allowing the dentist to keep the process under control.



ETHERNET CONNECTION

Fast, secure transfer of images to the PC next to the workstation or directly from the server in Multi-Room.



TOUCHLESS

X-rays are read via a fully automated process.

ADVANCED FUNCTIONS, OPTIMIZED IMAGES.



MULTILEVEL

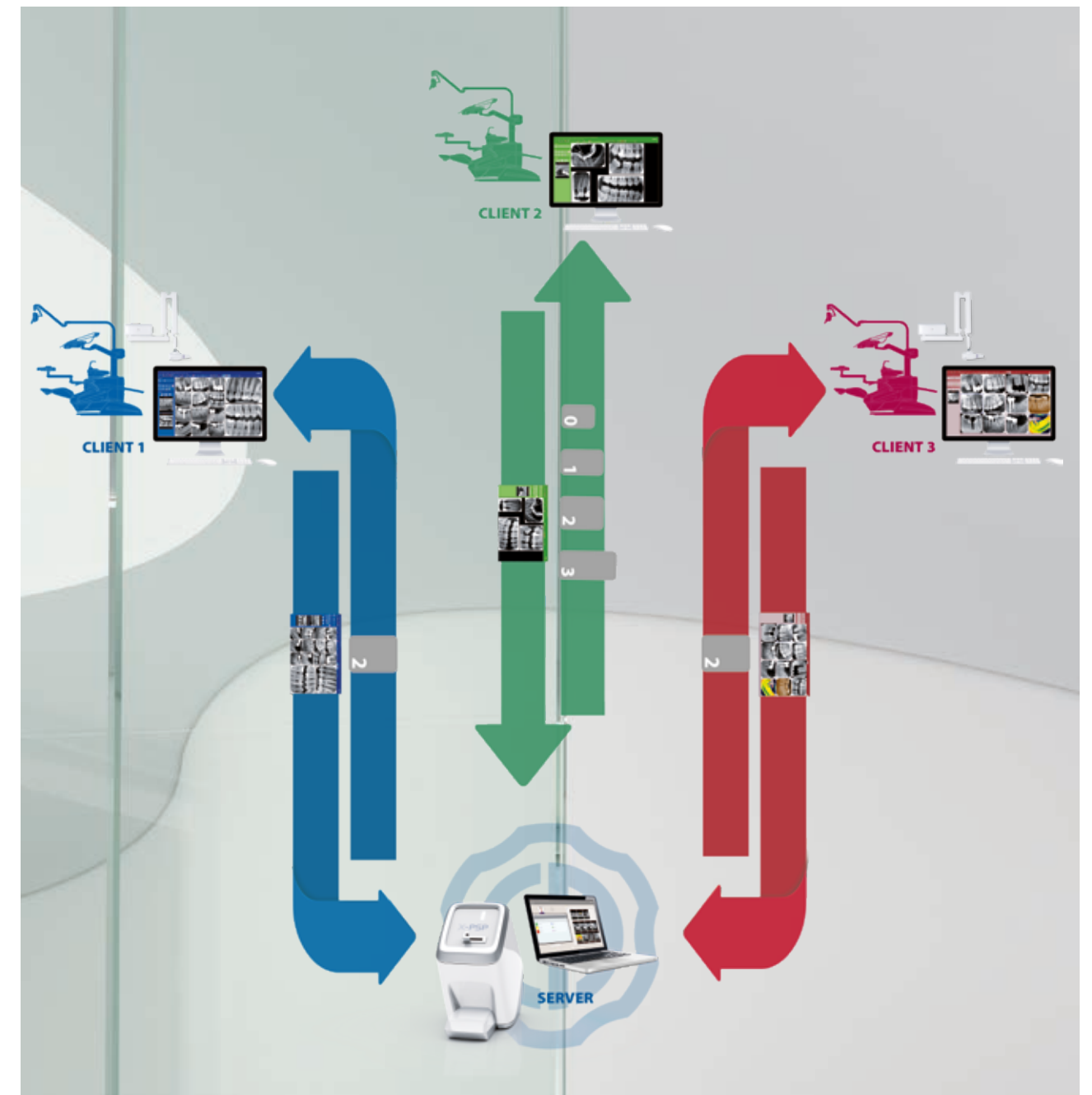
The MultiLEVEL function simultaneously provides the physician with five images. Each one is enhanced by iES algorithms that apply different filters to highlight anatomical details in a specific way. This lets the dentist further refine the diagnosis.



PATIENT COMFORT

Easy to insert and hold in the oral cavity, these plates offer outstanding patient comfort, better than that of the digital sensor alternative.

Today's fast-paced surgeries mean that improving work flow is as important as improving diagnosis. That's why Castellini has focused on developing advanced functions that provide images which meet clinical needs and allow remote management of the scanner via the Multi-Room function.



MULTI-ROOM

Thanks to the Multi-Room function, which can be used from the X-PSP scanner, dentists can manage the remote scanning system via a SERVER connection. The reservation is made from the workstation alongside the patient. A series of images is automatically saved in the the patient records selected by the surgery in question. The images will be displayed immediately on the PC next to the patient. Thanks to this function, the procedure takes less time and improves work flow.

DIGITAL VERSATILITY.

X-PSP owes its versatility to the wide range of clinical applications in which it can be used: endodontics, prosthetics and implant surgery, periodontics, caries diagnosis. For each of these, it always generates optimal high definition images with a resolution of 34 pixel/mm. What's more, the device is compatible with four sizes for the acquisition of paediatric (Size 0), periapical (Size 1), bitewing (Size 2) and long bitewing (Size 3) images with a pixel size of 30 µm.

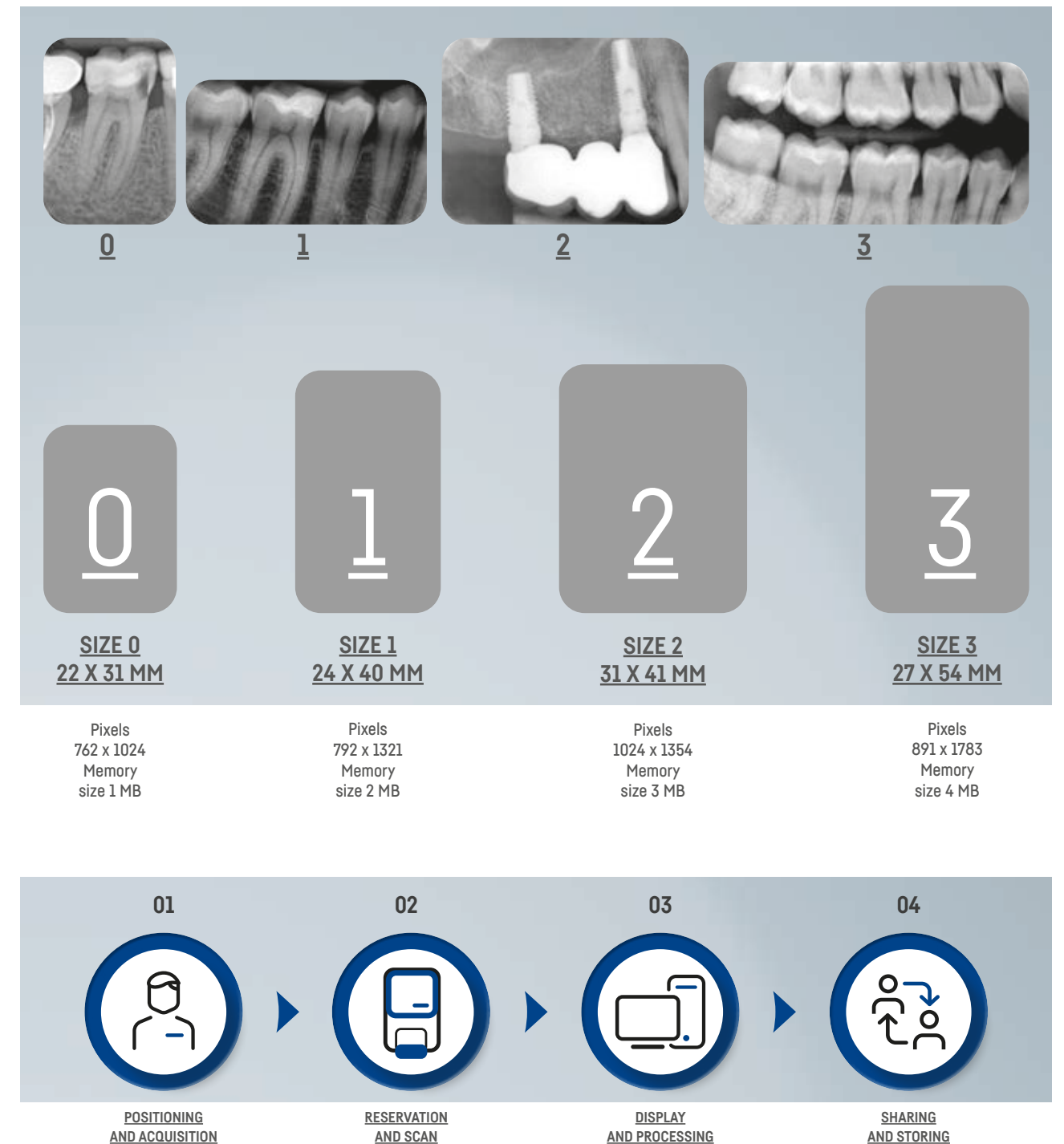


SIMPLE AND EFFECTIVE

Thin, flexible and wireless like a film, it has a 100% active area without any positioning limitations. The magnetic plate is perfectly integrated with the phosphor layer to optimise the reading process with an automatic touch-free acquisition sequence start. To optimize image quality with minimum X-ray exposure, the plate is highly sensitive. The scanned digital image is ready to be displayed and shared with the patient in seconds.

IMMEDIATE DISPLAY

After acquisition, the image becomes available on a PC or portable device in just a few seconds, offering the same immediacy as an X-ray acquired with a digital X-ray sensor. This shortens the session time and makes doctor-patient communication easier.



With on-line scanner reservation, the dentist can, if necessary, perform the X-rays with plates of the desired size. After acquisition, images are transferred to the local PC and/or sent to the client the reservation was received from. Images can be consulted, shared and saved using iRYS software or another viewer, or printed and e-mailed.