myray new comfort in digital imaging

cefla Making Your Life Better.

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)	176 x 133 x 264 mm
Weight	3.8 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 MultiROOM interface for third party software
Image management software (for PC)	iRYS (complies with ISDP®10003:2020 as per EN ISO/IEC17065:2012 certificate number 2019003109-3) 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

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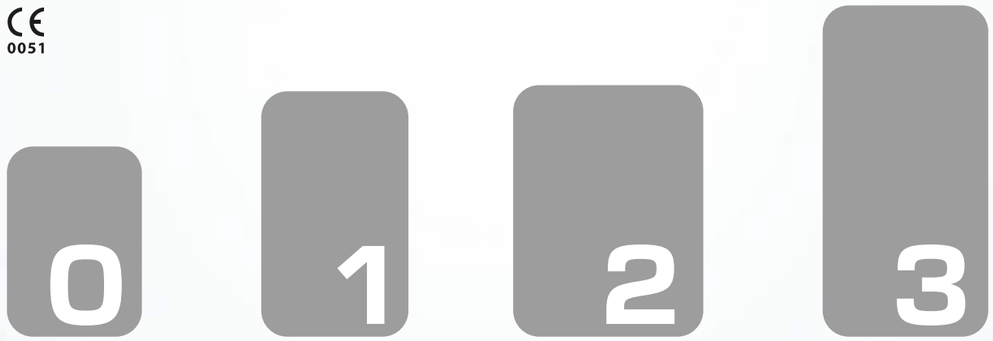

Size 0
22 x 31 mm
Pixels
762 x 1024
Memory
size 1 MB

Size 1
24 x 40 mm
Pixels
792 x 1321
Memory
size 2 MB

Size 2
31 x 41 mm
Pixels
1024 x 1354
Memory
size 3 MB

Size 3
27 x 54 mm
Pixels
891 x 1783
Memory
size 4 MB

BU MEDICAL EQUIPMENT

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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.

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RAY OF SOLUTIONS

Hy-Scan

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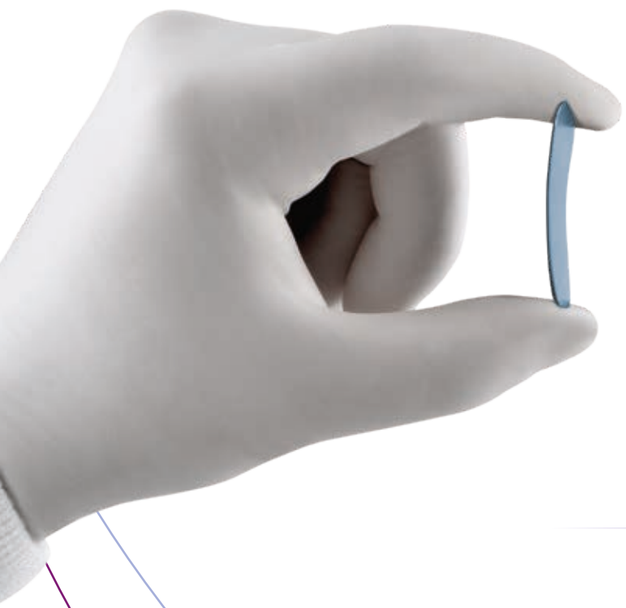
Uncompromising simplicity and quality

Always-reliable diagnosis, comfort, user-friendliness and fast capture times. Hy-Scan gives access to unrivalled digital technology and film-like ergonomics - all in one compact, affordable device.



IMPROVED ERGONOMICS:
Thin, flexible, wireless like a film, 100% active area without positioning limitations.

MAGNETIC PLATE:
perfectly integrated with the phosphor layer to optimise the reading process with an automatic TOUCH-FREE acquisition sequence start.

HIGH SENSITIVITY:
improved image quality, minimum X-ray dose for the patient.

ETHERNET CONNECTION
Fast, secure transfer of images to the PC next to the workstation or directly from the server in MultiROOM.

LED STATUS INDICATOR
Process always under control with instantaneous display of scanner status (ready / reading / image deletion / standby / etc.) thanks to the status indicator.

TOUCH-FREE
Fully automatic plate reading process.

PLATE BOX
Practical, portable container to store and protect plates tidily.

ULTRA-COMPACT AND ERGONOMIC
Featuring essential, compact design, the Hy-Scan scanner is perfect for any dental surgery. Extremely versatile, it can be installed both horizontally on the table or wall-mounted vertically using the special bracket.

FUNCTIONS THAT MAKE THE DIFFERENCE

Thanks to constant iRYS software development, MyRay solutions benefit from ever-better functions and performance that respond to dentists' real needs.

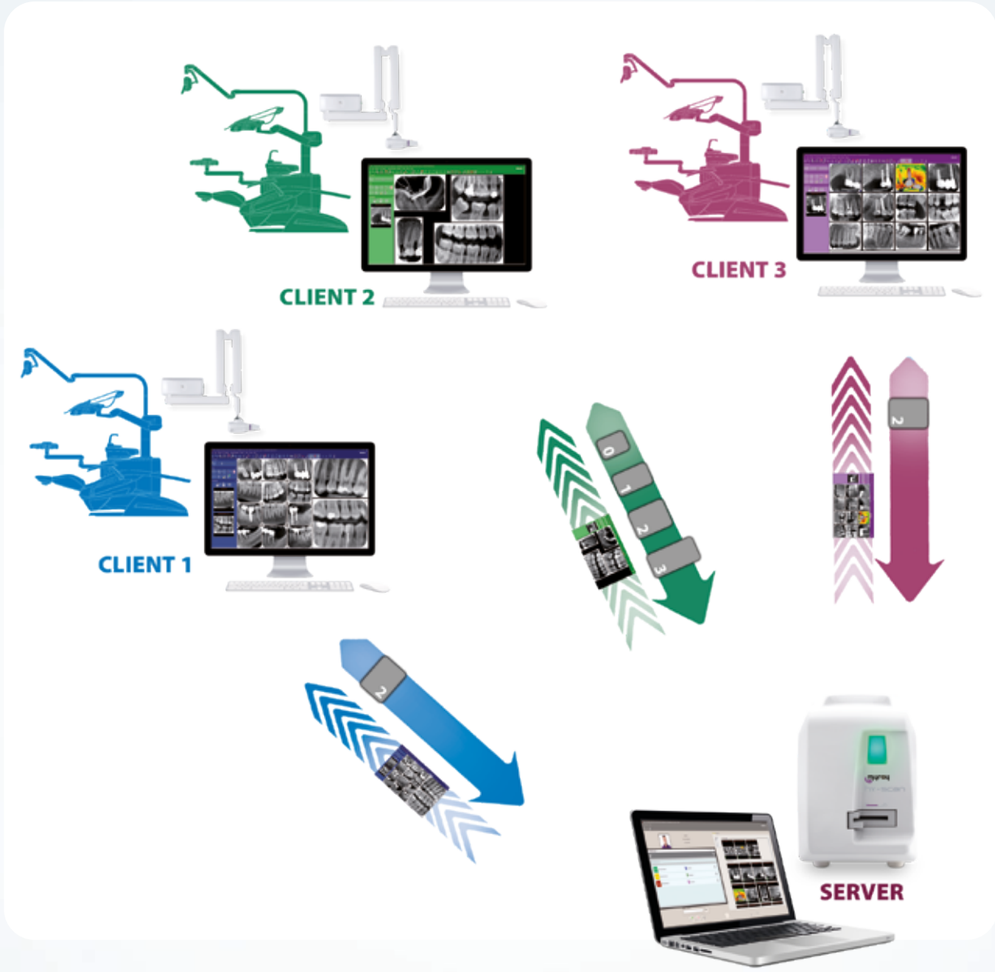
- Optimized filters for phosphor plates
- Simultaneous management of 5 images
- Images improved for specific diagnoses
- Remote image control with MultiROOM
- Minimized management times

A series of cutting-edge image processing filters are provided to ensure the system genuinely improves diagnostics. Users can select which filters to use from among the pre-set families and define any further customisations according to their visual or diagnostic preferences.

All filters are accessible from the iRYS image display window, where users can decide which ones to apply automatically.
Moreover, remote phosphor scanner control for clinics with multiple surgeries improves workflow, productivity and patient engagement.

MultiMAGE

MyRay has developed a dedicated function to respond to the needs of dentists like you. By using proprietary PiE (Powerful image Enhancer) algorithms optimised for phosphor plates, this function lets dentists simultaneously capture, display and share a set of (up to 5) images. Each image is the result of a different type of improvement designed to highlight various anatomical details with different levels of sharpness and contrast, ensuring dentists can diagnose better.



PERFECT FOR MULTIROOM USE

Hy-Scan lets you optimise dental clinic workflows in MultiROOM. Thanks to the MultiROOM function, usable via Hy-Scan, the remote scanning system (connected to the SERVER) can be managed with a reservation made directly from the workstation alongside the patient (CLIENT PC).
The patient is defined by a name and the colour of the surgery. A simple APP - available in iCapture - lets you automatically save a series of remotely scanned images on the medical record of the patient, who is pre-selected in iRYS from the surgery from which you made the reservation. These images will be displayed immediately on the PC next to the patient.

Hy-Definition

Outstanding digital imaging quality combined with the practicality and affordability of traditional film.

- Essential, light, compact design
- High definition digital images
- Ergonomics and positioning comfort
- TOUCH-FREE user-friendliness
- Hard-wearing and reliable in MultiROOM

The Hy-Scan phosphor plate scanner provides the perfect balance between technology and tradition. Hy-Scan combines the very best digital diagnostic technology with the advantages of traditional film plates. A compact, fast, simple device to use, which produces high resolution intraoral images for always-reliable diagnosis. The plates, ergonomic and thin, are easy to position and offer maximum patient comfort.
The TOUCH-FREE plate insertion and recognition system makes the scan even simpler, also in MultiROOM. The scanner can import and digitize each image in rapid sequence in just a few seconds, allowing them be displayed immediately on the PC or, via a special APP, on an iPad.

HIGH QUALITY IMAGES IN EVERY APPLICATION

Hy-Scan is the ideal tool for all clinical applications: endodontics, prostheses and implant surgery, periodontics and caries diagnosis. It reliably provides the very best high definition images with a resolution of 34 pixel/mm. The scanner 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.

0 1 2 3

TOUCH-FREE ACQUISITION

User-friendliness and maximum workflow efficiency. Hy-Scan has a servo-assisted, fully automatic system that accepts and scans (TOUCH-FREE) the impressed plates, recognises the size, imports the image to the PC and deletes all the data from the plate so it is immediately ready for the next image capture.

FAST IMAGE DISPLAY

A high quality image can be imported in just a few seconds. Equipped with cutting-edge technology, Hy-Scan lets users view sharp images extremely quickly, leading to effective diagnosis and better communication with the patient.

iRYS - iPad CONNECTIVITY

Import data quickly thanks to the ethernet connection. Save and display captured images on the PC using the all-in-one iRYS diagnostic software with the convenient iPad viewer app and with any other control programme or image viewer equipped with a TWAIN or DICOM interface.

THE BEST WORKFLOW FOR EFFECTIVE DIAGNOSISI

Take X-rays with the desired plate size via user-friendly positioning and, if necessary, book the networked scanner. Capture high definition images by inserting the plates one at a time.
The images are then transferred to the local PC and/or sent to the client who booked it, ready to be consulted, shared and stored with iRYS software (or other viewer), printed and e-mailed.