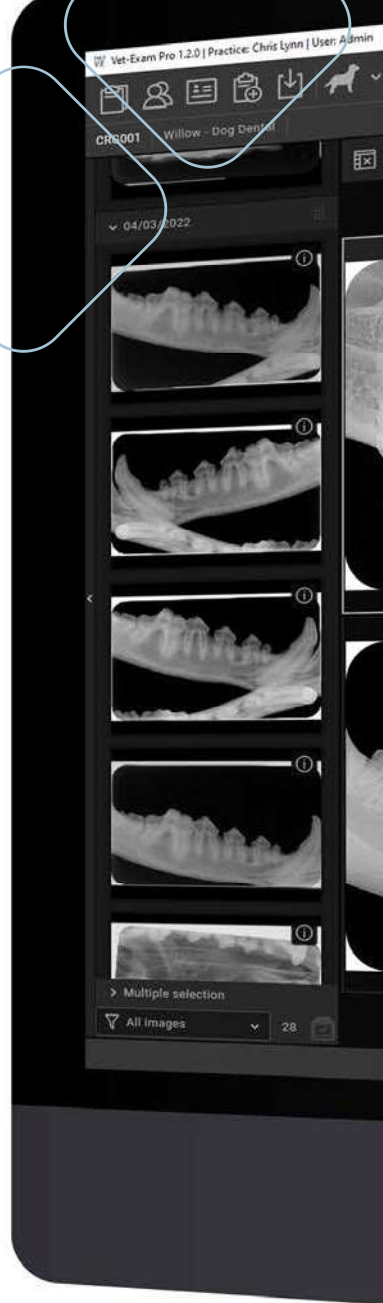DENTAL X-RAY

CR 7 VET
POWERED BY DÜRR MEDICAL

DENTAL X-RAY

◇ **Veterinary Generators**

◇ **iM3 Positioning Kit**

◇ **iM3 CR 7 2.0 & CR 8 VET**

◇ **Smart Reader Vet**

◇ **Imaging Plates and Sheaths**

◇ **iM3 DR X & Y**

◇ **Veterinary Imaging Software**

◇ **Imaging Accessories**

◇ **DCT Mobile Scanner**

◇ **Cone Beam CT**

DENTAL X-RAY

iM3 Veterinary Dental X-Ray Solutions

Cats and dogs are their own worst enemies as they hide their dental pain. Dental x-ray is a visual way of conveying to the owner their pet's discomfort and will also effectively demonstrate asymptomatic pathology that may require treatment. The teeth might present with no abnormal findings on the surface but an x-ray reveals abscesses, resorption or ankylosis demonstrates to the owner that treatment is required. Finding more pathology and planning treatment will confirm your role as a caring, effective veterinary professional.
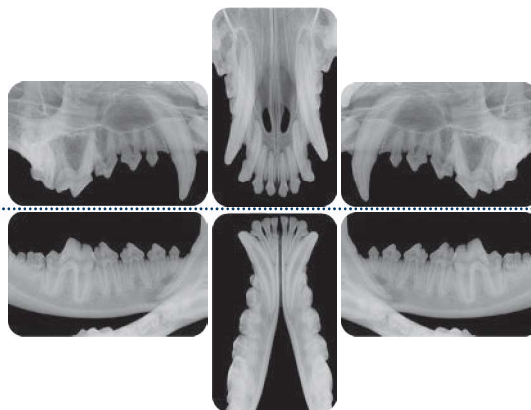
With iM3 Dental X-ray Solutions we can help you with the products, knowledge and the strategy to introduce and maximise the use of veterinary dental x-ray in your practice.

THE VETERINARY-SPECIFIC DENTAL X-RAY SYSTEM THAT WORKS!

VETERINARY GENERATORS

Having a veterinary-specific dental x-ray generator matters. It greatly affects suitability and usability on canine and feline patients. iM3 has an x-ray generator to suit any size of practice. We have a range of three to choose from and options for the unit to be fixed, mounted or portable »

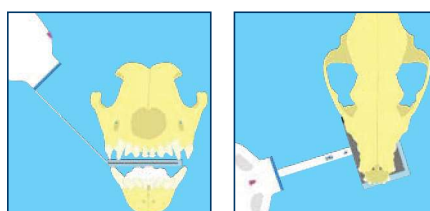*iM3 is leading the way in enhanced patient care and efficient workflow, for an all round solution!*

POSITIONING

iM3's famous positioning technique makes veterinary dental x-rays fast and easy. No other system can match the simplicity of our six x-ray approach to full mouth overviews.

We have the largest range of high-resolution image plates, specially designed for use in animals. Our veterinary intra-oral plates range from sizes 0 to 5, and now introducing the new size 6 and specialised R3 Rabbit plates »

www.im3vet.eu

iM3 | The Global Name in Veterinary Dentistry

Intra-oral radiographs have revealed underlying pathology in:*

27.8% of Dogs
41.7% of Cats

* Verstraete FJ et al. Diagnostic value of full-mouth radiography in cats. Am J Vet Res 1998; 59(6):

"

You'd be hard pressed to find another piece of equipment that ticks those elusive three boxes of good investment more effectively.

✓ **Dramatically improves patient care and decision making**

✓ **Delivers solid profit**

✓ **Does not need a specialist level of training to deploy**

Dr Dave Nicol,
MRCVS.

iM3 is here to help you find the best solution for your practice and the right products to suit your needs.

DEVELOPERS

Over the last decade, the iM3 CR 7 VET has helped make iM3's X-ray Solution popular with vets and nurses all over the world with its exclusive plate range and superior image quality. It remains in a class of its own.

Now we are excited to introduce the *NEW* **iM3 CR 7**$_{2.0}$ and **iM3 CR 8**. With its two slot scanning design, the **CR 8** offers an even faster work flow than ever before »
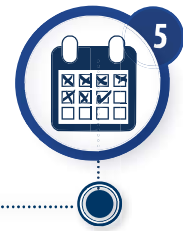
SOFTWARE

iM3 Vet-Exam Pro is veterinary specific software which incorporates many new innovations and has been designed to be as user friendly and as intuitive as possible. It is an excellent companion to the **iM3 CR 8**, **CR 7**$_{2.0}$, plus DR allowing you to make the most of these excellent tools. »

STAGING

As part of iM3's X-ray Solution, we created and promote a workflow called staging. After initial assessment a plan can be agreed upon with the owner, to complete the necessary work in stages, thereby allowing the veterinary to allocate time, and the customer to plan financially ✓

CR 7$_{2.0}$ **Vet X-Ray Scanner**   **CR 8 Vet X-Ray Scanner**

Vet-Exam Pro Software

www.im3vet.co.uk

VETERINARY GENERATORS

REVOLUTION 4DC

The iM3 Revolution 4DC X-Ray Generator features the latest technology. The full-swivel ball-joint is revolutionary in every sense. The tube head revolves freely around the sphere so that practically any position can be achieved, including vertical. An automatic touch-sensitive lock-on/lock-off device enables effortless repositioning of the tube head between exposures.

The revolutionary full-swivel ball joint allows the tube head to revolve freely around the sphere so that practically any position can be achieved, including vertical. A touch-sensitive on/off lock enables effortless repositioning of the tube head between exposures.

Lightweight, solid arms in extruded aluminum with an integrated self-balancing system reduces any risk of tube head vibration during image acquisition. Great installation versatility and multiple arm lengths available.

Handheld wireless control to program the unit from anywhere in the surgery. Full range of intuitive exposure scenarios designed to make correct X-ray acquisition simple. The Revolution 4DC automatically defines the correct exposure by selecting the region of interest.

	Cat. Code
Wall mounted	X1100 - X1190
Mobile trolley	X1300
Fixed Floor Mount	X1100 - X1190 - X1205

X-Ray Generator

iM3 has an **X-ray generator** to suit any size of practice. Our range includes **Revolution 4DC**, **MyRay** and **Liferay**. The Revolution 4DC and MyRay Generators have options for the unit to be fixed, mounted or portable. Liferay is a handheld portable option, ideal for both dental and extremity radiographs with vet specific icons and pre-programmed smart exposure settings.

Contact the iM3 team or your local distributor for help and advice in choosing the best Generator for your needs!

SPECIFICATIONS

EXPOSURE TIME	FOCAL SPOT	STABILITY
0.010 - 1.000 sec, R10 & R20 scale	0.4mm, (IEC 336)	Auto touch sensitive lock-on/lock-off
VOLTAGE (KV SETTING)	**IRRADIATED FIELD**	**LINE VOLTAGE**
60, 65, 70kV	Ø60mm round	5060 Hz, 115V± 10% or 230V ± 15%
ARM EXTENSION	**MAX ARM EXT**	**CERTIFICATION**
40cm - 60cm - 90cm	230cm, from wall	CE 0051, cCSAus, FDA

MYRAY

The MyRay 4DC Dental X-ray generator features the latest technology. Specifically conceived for digital X-Ray imaging, the constant potential tube head combined with the smallest focal spot available for intra-oral imaging (0.4mm) guarantees consistently sharp images.

The MyRay 4DC allows uninterrupted use during multiple exposures, such as full mouth acquisition, thanks to the Dynamic Duty-Cycle, based on real time control over the bulb temperature, visible on the handheld display. The wireless handheld remote allows you to program / operate the unit from wherever you are in the surgery. There are no other wall-mounted or wired control panels to worry about. Easy-to-use and easy-to-handle, the remote offers a full range of intuitive exposure scenarios designed to make correct X-ray acquisition a straightforward process. No more complex programming or button-crowded panels. The MyRay 4DC automatically defines the correct exposure and adjusts the kV and mA by selecting the tooth on the vet specific display.

	Cat. Code
Wall mounted	X1400 - X1160
Mobile trolley	X1500
Fixed Floor Mount	X1400 -X1190 - X1205

SPECIFICATIONS

EXPOSURE TIME	FOCAL SPOT	STABILITY
0.010 - 1.000 sec, R10 & R20 scale	0.4mm, (IEC 336)	Auto touch sensitive lock-on/lock-off

VOLTAGE (KV SETTING)	IRRADIATED FIELD	LINE VOLTAGE
60, 65, 70kV	Ø60mm round	5060 Hz, 115V± 10% or 230V ± 15%

ARM EXTENSION	MAX ARM EXT	CERTIFICATION
40cm - 60cm - 90cm	230cm, from wall	CE 0051, cCSAus, FDA

LIFERAY
PORTABLE DENTAL X-RAY

The X-Ray system in LifeRay uses DC X-Ray & High-frequency technology that is garnered with more advantages.

- Smart Battery Management - Up to 300 exposures from a single full charge of the battery
- High Resolution - High grade image quality with a 0,4 mm focal spot
- Safe Operation - Radiation leakage well within the air limit specified by FDA
- Ergonomic Design
- Compatible with Digital Sensor, PSP or Film Compatible
- Double Shield protection to reduce leakage of radiation

Light & Compact
Under 5 lbs weight and under 10.5" height for easy handling and maneuverability.

Wide Compatibility
Collect images on film, digital RGV, or PSP receptors.

Versatile Functionality
Three tube-head voltages, a range of exposure durations, and the unit's inclination guide for optimum results.

Wireless Charging
Recharge the unit's battery by simply placing on the docking cradle.

Cat. Code
X4100

SPECIFICATIONS

WEIGHT	HEIGHT	FOCAL SPOT	BATTERY
Under 5 lbs	under 10.5"	0,4 mm	Up to 300 exposures from a single full charge

COMPATIBILITY	VERSATILE	SAFE OPERATION	WIRELESS CHARGING
Film, Digital RGV, or PSP receptors	Three tube-head voltages	FDA Approved	✓

POSITIONING

iM3 Complete X Ray

Cat. Code: X8500

1 **ANGLE GUIDES & ADJUSTABLE BISECTING ANGLE GUIDE**

Angles of X-ray beam effect shape and size of shadow. To isolate detail for examination and avoid squashed or stretched images, use our pre-set guides which provide Angle, Distance, and Position. Set-angle positioning guides, sizes 30°, 45°, and 55° and now, New 70° angles provide the option of an alternate canine and incisor projection which is useful for some breeds.

3 **BITE GUARDS**

Protect your plates against any bite marks or damage to achieve the ideal scan. Polycarbonate IP bite protector plate holders, sizes 2, 4 and 5.
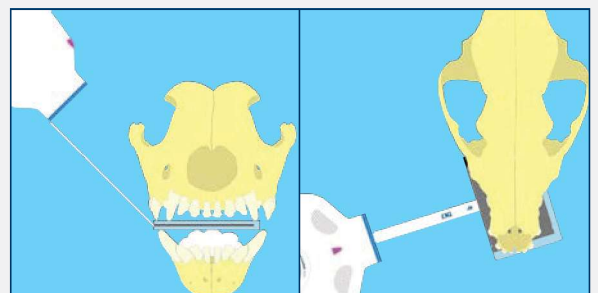
FULL MOUTH
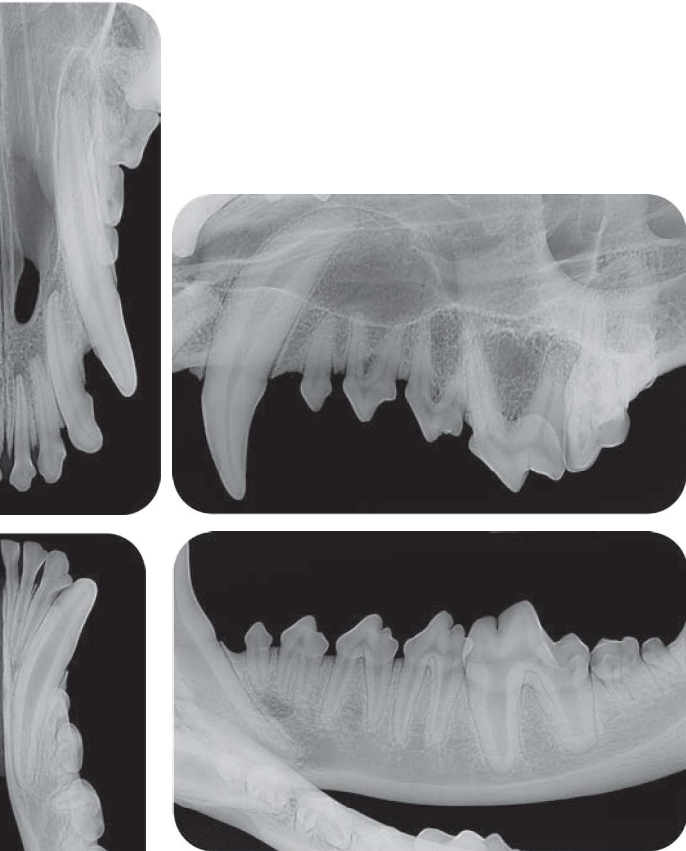*OF LARGE DOG*
COMPLETED IN ONLY
6 SCANS

Positioning X-Ray Kit

Cat. Code X8500

iM3 Positioning kit for use in conjunction with our **CR 7**2.0 and **CR 8** scanners. As animals don't have an arch within the roof of their mouths, it is not easy to get the right angel, so iM3 has come up with the solution in the form of a positioning kit, which takes the guess work out of dental X-ray. Our present guides provide relative: angle, distance and position. *See our iM3 How to use video here or on the website, for a step by step guide.*
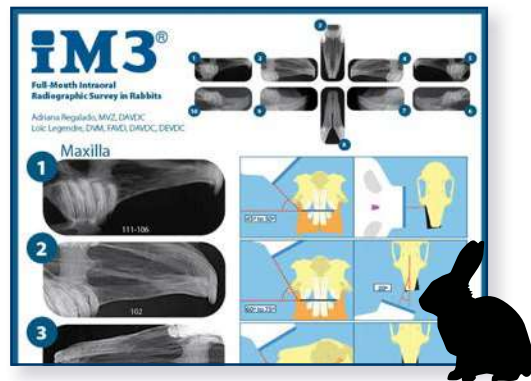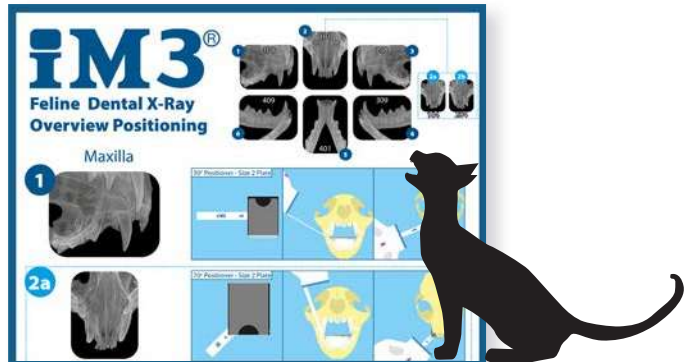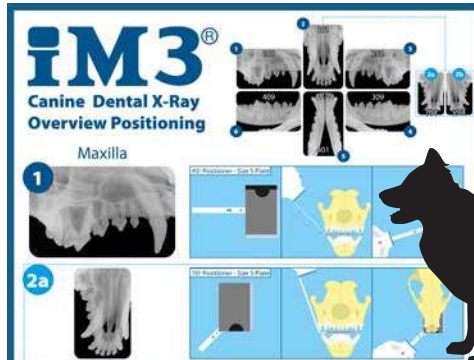
Positioning Kit

(2) POSITIONING POSTERS
Dog, cat and rabbit positioning posters have larger and easy-to-follow illustrations.

iM3 SIZE 5 OVERVIEW
Full mouth overview in a large dog in only 6 images using a size 5 CR image plate. Only available for iM3 CR 7*2.0* & CR 8 Vet Scanners

DENTAL X-RAY

DEVELOPERS
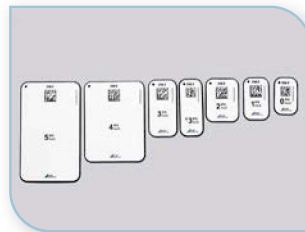
iM3® CR 7 2.0 VET

2 yrs WARRANTY

Cat. Code
X7700

Offering pioneering AI functions, easier workflow, simultaneous scanning, standalone mode and much more!

FEATURES & BENEFITS

✓ Improved image plate feeding technique reducing operator errors and improving workflow

✓ Unsurpassed highest resolution 40 LP/mm theoretical, with 25 LP/mm true resolution. Which is up to double the TRUE resolution of other CR & DR Systems

✓ Large range of flexible thin plates allow for easy positioning, ranging from sizes 0 (2.2 x 3.5 cm) to size 5 (5.7 x 9.4 cm).

✓ Fast processing times, less than 8 sec for a size 2 plate (at standard resolution)

✓ Possible to get a full mouth scan of large dog with only 6 scans

✓ Unique design protects unit and radiographs from dust, hair, and particles that can reduce image quality

✓ Swappable Plate Feeders mean the CR 7 2.0 accepts all image plate sizes from 0 - 5, including R3 Rabbit Plates.

Interchangeable inserts available for all intraoral image plates

Full Range of Plate sizes available

Smart Reader optional

iM3 X-Ray Developers

iM3 Developers use software specific to veterinary dentistry, and have the largest range of plate shapes available to the market. Developers come preloaded with Vet-Exam Pro software, providing superior image resolution quality, and are fully DICOM compliant, ensuring easy export of data. Precision made by German manufacturers, with a two year warranty, and iM3 technical support provided. iM3 R3 plate for Rabbits also works with these scanners.

SPECIFICATIONS

RESOLUTION	OPERATING TIME	PLATES SIZES
25 LP/mm actual (40 LP/mm theoretical)	8 sec	0 – 5 plus R3
NETWORK	**WARRANTY**	**SOFTWARE**
Single PC or Windows Server* database install with workstations **PC's**	2yrs	Vet Exam Pro
DIMENSIONS Height x Width x Depth	**TECHNICAL SUPPORT**	**DICOM COMPLIANT**
24.9 x 21.1 x 25.8 cm Weight 5kg	✓	✓

*Windows Server 2019 or greater required

SMART
READER VET

Smarter workflows with CR7_2.0_
automation to make your work more relaxed

» **Multiple dental stations running off a single scanner**

» **Increased workflow**

» **More dental examinations**

1. Assign the image plate

The iM3 Smart Reader can be used to assign image plates to a patient in Vet Exam Pro.
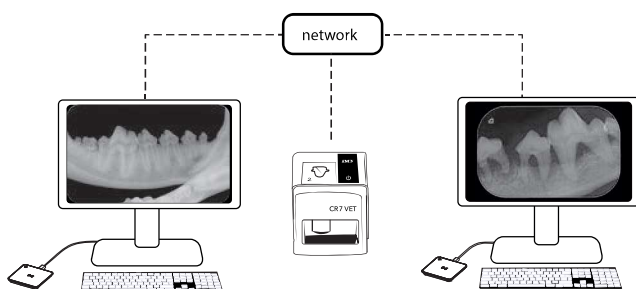This puts **CR7_2.0_** in ready for image acquisition mode.

2. Scan the image plate

Now scan image plates from different patients in any sequence, one after the other.

3. Assess the X-ray image

Vet Exam Pro automatically assigns the X-ray images to the correct patients.

network

CR 7 VET

Smart Reader VET Setup

The new Smart Reader VET allows for increased dental workflows without the need for additional scanners. In this example two practitioners can work on separate stations, each has their own computer and their own Smart Reader VET allowing them to share a single iM3 CR 7_2.0_ VET with maximum efficiency.

Contact iM3 or local distributor to discuss your optimal setup.

DEVELOPERS

iM3® CR8VET

DENTAL X-RAY

2 yrs WARRANTY

Cat. Code
X8101

With its two slot scanning design, the CR 8 offers an even faster work flow than ever before!

FEATURES & BENEFITS

✓ Highest resolution 40 LP/mm theoretical, with 25 LP/ mm true resolution. Which is up to double the TRUE resolution of other CR & DR Systems

✓ Plates sizes 0 – 6, flexible thin plates allow for easy positioning

✓ 2 x plate slots, providing parallel scanning for fast sequential scanning of imaging plates

✓ Adjustable resolutions allows for fast scanning times. Up to 4 x size 2 image plates can be read in as little as 25 seconds

✓ Possible to get a full mouth scan of large dog with only 6 scans

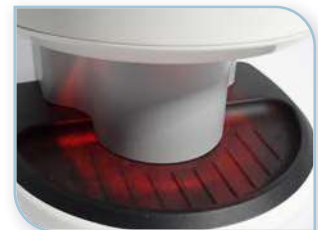✓ Developed for requirements in large veterinary practices & dental clinics

2 x plate slots, takes all sizes, for fast sequential scanning of image plates

Touch display, patented PCS technology for excellent image quality

Automatically erases your imaging plates ready for reuse

SPECIFICATIONS

RESOLUTION	OPERATING TIME	PLATES SIZES
25 LP/mm actual (40 LP/mm theoretical)	8 sec	0 – 6 plus R3
NETWORK	**WARRANTY**	**SOFTWARE**
Single PC or Windows Server* database install with workstations PC's	2yrs	Vet Exam Pro
DIMENSIONS Height x Width x Depth	**TECHNICAL SUPPORT**	**DICOM COMPLIANT**
38 x 23 x 28 cm Weight: 8kg	✓	✓

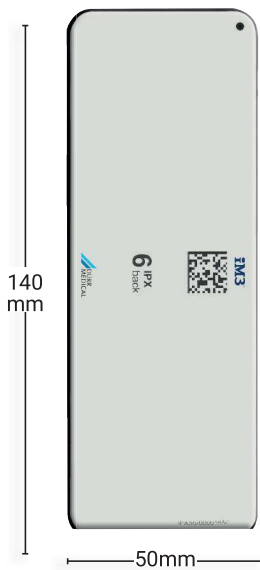*Windows Server 2019 or greater required

www.im3vet.eu

X-RAY PLATES

AI PLATE DETECTION

Thanks to the new IPX plates, our Vet Exam Pro software is uniquely able to identify when a plate is exposed on the wrong side and warns the user. Providing peace of mind that human error won't lead to reversed images.
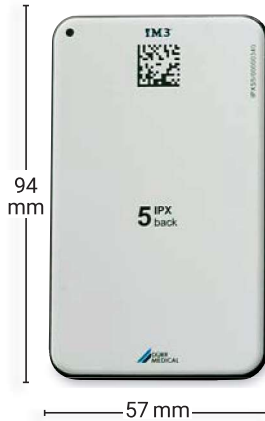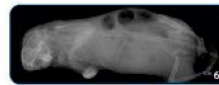
PLATE NO.	DIMENSIONS	CAT. NO.
0	22 x 35 mm	IPXS0
1	24 x 40 mm	IPXS1
2	30 x 40 mm	IPXS2
3	27 x 54 mm	IPXS3
4C	44 x 54 mm	IPXS4C
4	57 x 76 mm	IPXS4
5	57 x 94 mm	IPXS5
6 CR 8 only	50 x 140 mm	IPXS6
R3	22 x 54 mm	IPXR3

Introducing size 6, with great potential for long snouted dogs, extremities, and small exotics. *Only for use with CR 8*

Only at iM3 can you find the complete range of Veterinary Dental image plates, in true, and accurate sizes!

DENTAL X-RAY

140 mm
6 IPX back
50mm

94 mm
5 IPX back
57 mm

76 mm
4 IPX back
57 mm

54 mm
4C IPX back
44 mm

54 mm
3 IPX back
27 mm

54 mm
R 3 IPX back
22 mm

40 mm
2 IPX back
30 mm

40 mm
1 IPX back
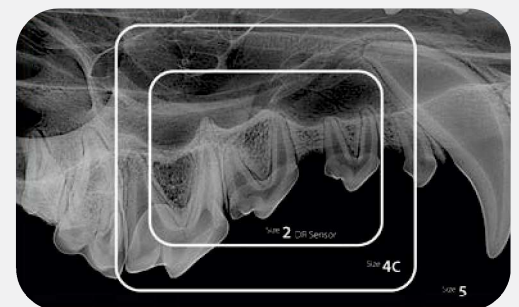24 mm

35 mm
0 IPX back
22 mm

CR 7 2.0 & CR 8 Scanning Plates

iM3 Plates are the largest range of plate shapes available to the Veterinary Dental market, and are for use specifically on iM3's **CR 7 2.0** and **CR 8** scanners. Size 5 intra-oral image plate are a must for canine dentistry and are exclusive to iM3.

iM3 created the R3 plate for scanning small animals such as Rabbits. This R3 plate is for use on both our **CR 7 2.0** and **CR 8** scanners, and are the only scanners worldwide with a scanning plate for Rabbits.

Not compatible with older systems

⚠️ Others claim our sizes but their plates are actually smaller

DENTAL X-RAY

iM3® DR SENSOR RANGE

Precision Imaging for Every Animal, Every Size!

DR SENSOR X Size 2
length 43 x width 33 mm

DR SENSOR Y Size 4
length 77 x width 54 mm

DR SENSOR Z Size 6
length 145 x width 75 mm

www.im3vet.eu

iM3® DR SENSOR X Size 2

EXCELLENT IMAGE QUALITY DUE TO DESIGN & INNOVATION

Shield
Scintillator
Fiber optics
CMOS chip
Shock absorber

Reinforced cable

Cat. Code
X5100

Digital Radiography (DR) provides real-time high-resolution imaging after being exposed with your x-ray generator. The high-resolution latent image is automatically displayed on your computer screen in a matter of seconds.

The optimized digital images can be shared directly with other users and easily archived.

FEATURES & BENEFITS

✓ **Increased volume and eliminates need for dark room**

✓ **Direct Imaging**

✓ **Great for checking single teeth pre and post treatments**

✓ **CMOS technology ensures the fast transmission of high-resolution images**

DR SENSOR SYSTEM INCLUDES:

» **iM3 DR Sensor X - Size 2**

» **Vet Exam Pro Software**

» **Installation & training options available**

» **2 Year Limited Warranty**

OPTIONAL ACCESSORIES:

» **Hygiene Cover**

» **Sensor Holder**

» **USB Extension Cable**

» **Cleaning Wipes**

SPECIFICATIONS

RESOLUTION	DETECTOR TYPE	DIMENSIONS (H x W x L)	PLATE SIZE	SENSOR SURFACE	PIXEL SIZE & NUMBER	CABLE LENGTH	PC CONNECTION	SERVICE LIFE
20 LP/mm	CMOS photodiode	6.3 x 33.1 x 43 mm	size 2 (3 x 4cm)	36 x 26 mm	19 x 19 um 1,368 x 1,896 = 2,593,728	2.5m	USB 2.0 / USB 3.0 compatible USB extension 1m (standard)	>400,000 images*

* If used properly as described in the usage instructions with an average detector dose of 50 uGy

DENTAL X-RAY

iM3® DR SENSOR Y Size 4

WIDE DYNAMIC RANGE   20 lp/mm

2 *yrs* *WARRANTY*

Cat. Code
Y5200

The iM3 DR Sensor Y represents a significant leap in size for veterinary dentistry when compared to its predecessors, now similar to the dimensions of a size 4 CR plate at 53.8 x 77.1 x 6.5 mm.

This enlargement allows for a broader and more comprehensive area of imaging, capturing detailed dental structures with greater precision.

The increased size enhances its versatility, accommodating a wider range of animal patients and facilitating efficient diagnoses. This is what veterinary dentists have dreamed of and now iM3 is bringing it to the market.

High Resolution - 20 lp/mm!

iM3 DR Sensor Y makes use of a CsI scintillator as opposed to the more common Gadox-based sensors, resulting in far higher resolution and less noise.

With an impressive resolution of 20 lp/mm (line pairs per mm), it outperforms the typical 12 lp/mm resolution found in conventional sensors. This heightened level of detail and clarity in the captured images allows for more accurate and comprehensive evaluations of dental pathology.
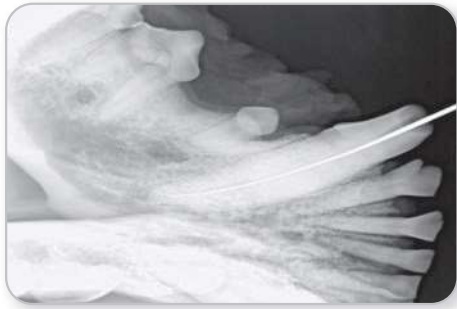
Wide Dynamic Range!

The iM3 DR Sensor Y has built-in WDR (Wide Dynamic Range). The wider the dynamic range, the better the sensor can read at both high and low doses of x-ray exposure. As a result, the iM3 DR Sensor Y is very forgiving and can produce clear, sharp images in more conditions than the competition.

The Perfect Addition!

Compatible with Vet Exam Pro, iM3 DR Sensor Y is a perfect addition to users of iM3 CR 7 or CR 8, or iM3 DR Sensor X (our size 2 DR sensor).

However, the iM3 DR Sensor Y is packaged with TWAIN drivers as opposed to its own software suite. This flexibility allows veterinary professionals to utilize their preferred imaging software, providing them with greater control and customization options for their dental radiography workflow. By being compatible with a wide range of TWAIN-supported programs, the DR sensor ensures a smooth and efficient integration process, eliminating the need for additional software installations and simplifying the overall imaging setup. Veterinarians can confidently embrace this adaptable solution, enhancing their diagnostic capabilities while maintaining the convenience of their chosen dental X-ray imaging software.

iM3 DR Sensor X & Y
X-rays

CLS

FOP

light

High Resolution CMOS Sensor

light

High resolution, low noise image even at low and high doses

Typical Dental DR Sensor
X-rays

GdO$_2$S$_2$ scatter

light

CMOS Sensor

"

I have used the size 4 direct x-ray sensor, called the Y-sensor, in treatment of multiple bears.

The system is very easy to use with the Vet-Exam Pro software.

The sensor provides very quick images in high solution.

So if you are doing dentistry on large animals, everything from large dogs to big bears, tigers and lions, this system is a "must-have", especially if you work in the field or out-bush in extreme conditions.
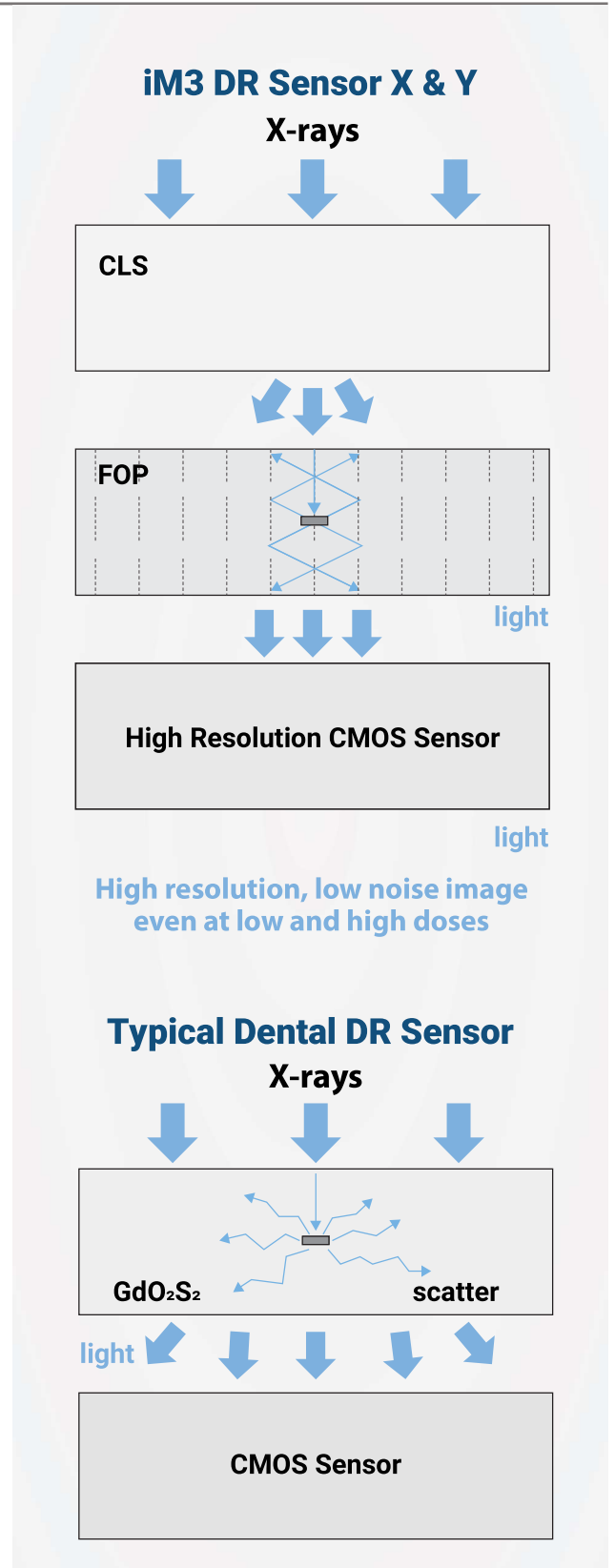
Jens Ruhnau
DVM, Dipl.EVDC
September 2024

FEATURES & BENEFITS

✓ WDR (wide dynamic range feature) means no risk of over-exposure to radiation.

✓ High Resolution 20 lp/mm, less noise

✓ TWAIN drivers make this DR sensor compatiable with a wide range of imaging software.

SPECIFICATIONS

MODEL	CHIP TYPE	PIXEL SIZE	DIMENSIONS Width x Length x Depth	ACTIVE AREA (MM)	ACTIVE PIXEL ARRAY	VOLTAGE
Sensor Y	APS CMOS	18.5µm	53.8 x 77.1 x 6.5	46.7 x 67.3	2524 x 3640 px	USB: 5.0 V±0.5v

ELECTRICITY CURRENT	POWER	DIGITIZATION	IMAGING TIME	SPATIAL RESOLUTION	THEOROETICAL RESOLUTION	SIGNAL OUTPUT
USB: ≤500mA	≤1W	12/14bit	3~4 s	CsI: ≥20 lp/mm	27 lp/mm	USB 2.0

DENTAL X-RAY

iM3® DR SENSOR Z Size 6

2 *yrs*
WARRANTY

Cat. Code
Z5300

The iM3 DR Sensor Z is a game changer for large animal dentistry, both in equine dental and for zoo work thanks to it's big surface area, with dimensions of 145 x 75 x 10mm.

This enlargement allows for a broader and more comprehensive area of imaging, capturing detailed dental structures with greater precision.

The increased size enhances its versatility, accommodating a wider range of animal patients and facilitating efficient diagnoses. This is what veterinary dentists have dreamed of and now iM3 is bringing it to the market.

Theoretical Resolution - 23 lp/mm!

iM3 DR Sensor Z makes use of a CsI scintillator as opposed to the more common Gadox-based sensors, resulting in far higher resolution and less noise.

Wide Dynamic Range!

The iM3 DR Sensor Z has built-in WDR (or Wide Dynamic Range). The wider the dynamic range, the better the sensor can read at both high and low doses of x-ray exposure. As a result, the iM3 DR Sensor Z is very forgiving and can produce clear, sharp images in more conditions than the competition.

The Perfect Addition!

Compatible with Vet Exam Pro, iM3 DR Sensor Z is a perfect addition to users of iM3 CR 7 or CR 8, or iM3 DR Sensor X (our size 2 DR sensor).

However, the iM3 DR Sensor Z is packaged with TWAIN drivers as opposed to its own software suite. This flexibility allows veterinary professionals to utilize their preferred imaging software, providing them with greater control and customization options for their dental radiography workflow. By being compatible with a wide range of TWAIN-supported programs, the DR sensor ensures a smooth and efficient integration process, eliminating the need for additional software installations and simplifying the overall imaging setup. Veterinarians can confidently embrace this adaptable solution, enhancing their diagnostic capabilities while maintaining the convenience of their chosen dental X-ray imaging software.

SCANNER FEATURES AND OPTIONS CHART

	Typical Human CR*	iM3 CR 7 VET 2.0	iM3 CR 8 VET	iM3 DR Sensor X	iM3 DR Sensor Y
PLATE RANGE	Size 0 - 3 or 0 - 4C**	Sizes 0 - 5	Sizes 0 - 6	Size 2	Size 4
NO OF PLATES IN RANGE	4 or 5	8	9	1	1
PLATE DIMENSIONS (LARGEST)	48 x 54 mm	94 x 57 mm	140 x 50 mm	30 x 40 mm	54 x 77 mm
PLATE THICKNESS	< 1 mm	< 1 mm	< 1 mm	6.3 mm	6.5 mm
VETERINARY SPECIFIC PLATES	No	Size R3 and Size 5	Sizes R3, 5 & 6	N/A	N/A
iM3 POSITIONING KIT	Not compatible	Yes	Yes	N/A	N/A
VETERINARY SOFTWARE	Not guaranteed	Yes - included in the price	Yes - included in the price	Yes - included in the price	Yes - optional
RESOLUTION	12.5 - 15 lp/mm (theoretical 20 lp/mm)	25 lp/mm (theoretical 40 lp/mm)	25 lp/mm (theoretical 40 lp/mm)	20 lp/mm (theoretical 27 lp/mm)	20 lp/mm (theoretical 27 lp/mm)
SCANNING SLOTS	1	1	2	N/A	N/A
SMART FEATURES:					
SMART READER VET	No	Yes - Optional	Not currently	N/A	N/A
AI PLATE DIRECTION DETECTION	No	Yes	Yes	N/A	N/A
EXPOSURE DETECTION	No	Yes	Yes	N/A	N/A
WARRANTY	1 year	2 years	2 years	2 years	2 years
COST TO REPLACE PLATES	€	€	€	€ € € € €	€ € € € €

* Based on most common specifications of human dental CR scanners promoted in veterinary market
** Don't confuse 4C for actual Size 4. 4C plates are smaller and iM3 promotes their use in small dogs.
   For medium and large dogs an actual Size 4 or Size 5 is essential.

iM3 has a vast range of CR plate sizes as more than 1 size of CR plate and DR sensor is required for efficient workflow

CR 8

CR 72.0

iM3 CR 72.0 VET & iM3 CR 8
COMPREHENSIVE KIT

To get the most of your new veterinary dental x-ray system, iM3 has tailored Comprehensive Kit to give you the essential components when purchasing either of the scanners.

Includes:

✓ CR Scanner (iM3 CR 72.0 VET or iM3 CR 8 VET)

✓ Vet Exam Pro Software (up to 10 licences)

✓ 4x Size 2 image plates and 300x Size 2 sheaths

✓ 1x Size 4 image plates and 100x Size 4 sheaths

✓ 1x Size 5 image plates and 100x Size 5 sheaths

✓ iM3 Positioning Kit

✓ iM3 Dental X-ray May

✓ 2 years warranty with iM3 online technical support

Please note these packages do not include x-ray generators. Finding the best generator option for a clinic is important, our sales team or any of our local distributors will be happy to discuss solutions.

	Cat. Code
iM3 CR 7 2.0 VET Comprehensive Kit	X7502
iM3 CR 8 VET Comprehensive Kit	X8800

www.im3vet.co.uk

ACCESSORIES & CONSUMABLES FOR DENTAL X-RAY

PLATE SIZE	DIMENSIONS	QUANTITY	SHEATH CODE
0	22 x 35 mm	100 per pk	X7101D
1	24 x 40 mm	100 per pk	X7111D
2	30 x 40 mm	300 per pk	X7122D
3	27 x 54 mm	100 per pk	X7133D
4C	44 x 54 mm	100 per pk	XC144
4	57 x 76 mm	100 per pk	X7144D
5	57 x 94 mm	100 per pk	X7155D
6 *CR 8 only*	50 x140 mm	30 per pk	X7166
R3	22 x 54 mm	100 per pk	X7133D

All Sheath are single use only

Image Plate Sheaths

Single use protective sheaths for intra-oral image plates.

Order online at: **www.im3vet.eu**

For the safety of the animal and the operator, as well as the longevity of the CR developer and image plates, all sheaths must be treated as single use only. Cost of sheaths should be factored into all procedures.

CR 7 Scanning Plates

PLATE NO.	0	1	2	3	4C	4	5	R3
DIMENSIONS (mm)	22 x 35	24 x 40	30 x 40	27 x 54	44 x 54	57 x 76	57 x 94	22 x 54
CAT. NO.	X7100	X7110	X7120	X7130	XC140	X7140	X7150	X7170

CR Image Plate Storage Box   X7256

Hard wearing image plate storage box, with a rubber holding mat in order to keep image plates protected when not in use and prolong their working life.

Plates not included

Occusal Overlay Image Plate Protection   X7158
Size 4 - 100 pieces

Bite cover to protect the imaging plates from cross contamination, mechanical damage and information loss caused by ambient light.

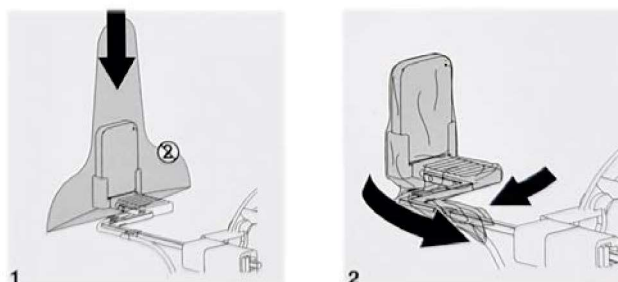## Image Plate Wipes - 10 Pieces   X7191

Image plate wipes are suitable for cleaning CR 7 or CR 8 image plates. The IP wipes are designed not to damage the high resolution image plate surface.

- 10 wipes supplied per box.

Cat. Code

DR Sensor X Disposable Cover - 100 Pieces
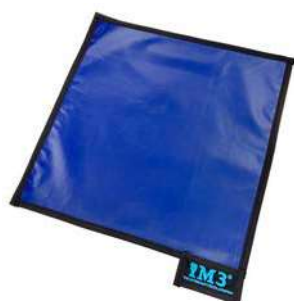
X5001

DR Sensor Y Sheaths - 100 pieces

Y5205

Disposable sheaths for DR Sensor Y, fits size 4 DR sensors.

- 100 pieces per pack

Dental X-Ray Mat

XM040

- A 40 cm x 40 cm mat for use under the patient's head.
- Lighter and easier to look after than true lead mats.
- Absorbs radiation, reducing scatter during dental X-ray when not using lead lined tables. Safer for the patient and practitioner.
- Sealed and waterproof, making it easy to disinfect.

Mobile X Ray Safety Shield 1.0 mm LE Barrier

XM150

- A 170 cm x 90 cm mobile x-ray barrier
- Low lead type, made up of a layer of lead and a layer of antimony
- 1.0 mm thickness is equivalent to the protection given by 1.0 mm of lead
- 1.0 mm LE (Lead Equivalence), Bilayer attenuate approx. 99.5% of radiation at 60-70kvp
- Lighter and easier to look after than true lead mats
- Absorbs radiation, safer for the patient and practitioner
- Mobile unit on wheels with brakes
- 170 cm tall (including 10 cm for base and wheels) and 90 cm wide
- Base is 62 cm deep

DENTAL X-RAY

SOFTWARE

NEW iM3 Vet Exam Pro

In summer 2022, we launched iM3 Vet-Exam Pro, the new, fast, simple, reliable and modern veterinary dental x-ray software.

Taking all of our experience as the leading supplier of veterinary dental radiography and combining it with the feedback from our customers and participants at iM3 ACE courses over the years, has allowed us to develop something truly special that is tailored and specific to the veterinary market.

iM3 Vet-Exam Pro incorporates many new innovations, and has been designed to be as user friendly and intuitive as possible. It fits perfectly in the iM3 ethos and is an excellent companion to the iM3 CR 8, CR 72.0, plus DR allowing you to make the most of these excellent tools.

This new software is compatible with both CR and DR scanners, therefore providing the flexibility to grow with your practice when you add either at any stage.

iM3 VET-EXAM PRO UPGRADE OPTIONS

iM3 Vet Exam Pro now comes as standard with all new purchases of CR 72.0 AND CR 8 Vet Dental X-ray Scanners.

Upgrades are also available to users of Vet-Exam Plus and Vet-Exam Intra. Please contact iM3 directly or your local distributor for specific pricing and training options.

Please contact support@im3dental.com or your local distributor for more information.
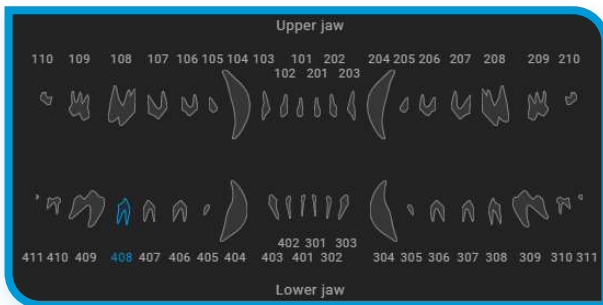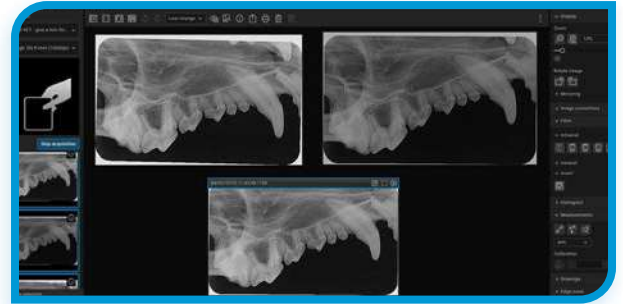
MINIMUM PC REQUIREMENTS

- CPU: Intel Core i5-i7 or better
- Ram: Recommended 8GB or greater
- Operating System: Single Workstation System / multi-workstation system (network min. 100 MB via switch): Windows 10, 64 Bit Professional
- Hard Drive: Workstation Hard Disk >500GB. If database is not required on pc/laptop, Hard Disk can be < 100GB.
- **Windows Server:** database install with workstations PC's *(Windows Server 2019 or greater required)*

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Integrated Capture Screen and Viewer

iM3 Vet-Exam Pro makes an innovative leap by combining the capture screen and the historic image viewer. This provides a simple all encompassing work space that allows for immediate comparison between newly acquired radiographs and older images already held in iM3 Vet-Exam Pro.

This simplified approach is key to the natural work flow iM3 Vet-Exam Pro provides to its users. Selecting or creating a patient leads directly to capture and view screen. As new radiographs are captured they are automatically saved in the background with no interruption to the user.

The modern coding and database management within iM3 Vet-Exam Pro keeps the program running smoothly and quickly without interruption regardless of the task.
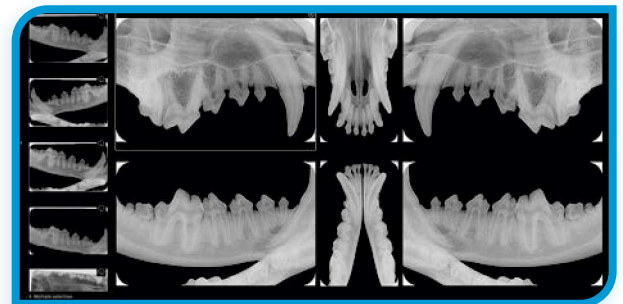

Large Range of Species

iM3 Vet-Exam Pro allows for an extensive range of species. Each available species offers a specific tooth chart for accurate trident numbering and tracking of radiographs.

The full list of available species has been increased to now include cats, dogs, large exotic cats, hamsters, guinea pigs, chinchillas, rabbits, hares, rats, mice, ferrets, birds, equine and apes.

Veterinary Specific Layouts

iM3 Vet-Exam Pro comes pre-loaded with veterinary-specific layouts for cats and for dogs that allow for quick and professional dental overviews. This includes, 6-image overviews, 16-image and 22-image layouts for advanced overviews, and options to include pre and post scaling images. You can also create your own layouts and save them for future use.

Layouts can be loaded as empty templates and radiographs easily dragged into them, or they can be automatically populated with the most recent images based on the tooth number. Layouts can even be automatically populated as full-mouth radiographs are taken in sequence. Additionally, each time a layout is used, the session is saved in the patient's history allowing you to quickly continue from where you left off.
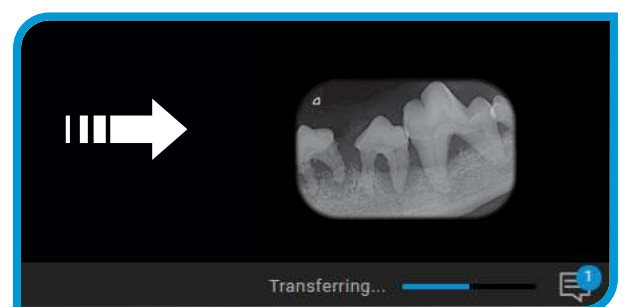

Refined Toolbox

The newly refined and improved toolbox was designed to be intuitive to both new and experienced users of veterinary dental software. Finding the tool you want is fast and easy thanks to the descriptive headers and visual labelling. Basic tools for zooming, mirroring, correcting, filtering and annotating, along with the more advanced features of iM3 Vet-Exam Pro are all at your fingertips and ready to use.

DICOM and Auto Exports

Full DICOM compliance allows easy export of data to remote applications. Whether its exporting of images or importing of patient data and worklist requests, DICOM can help reduce manual entry and improve efficiency. (DICOM modules sold separately).

With iM3 Vet-Exam Pro you can use DICOM *Send* or *Export* in any of the wide range of image formats the software supports. Whichever you choose, exporting is handled as a background task so there is zero downtime for you as images are transferred.

STAGING

Live:
Thu 7th October 2021, 4:03 pm

iM3 - Dental Staging - 'A Strategy to Double your Dental
by Craig Evans

https://www.thewebinarvet.com/webinar/im3-dental-staging-a-strategy-to-double-your-dental

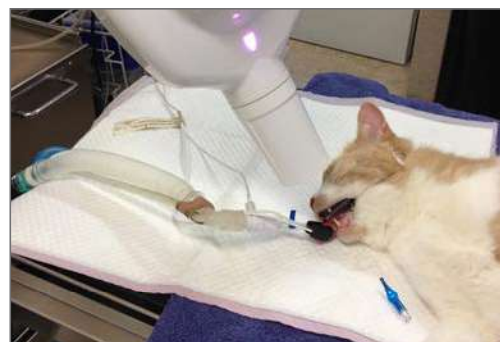*For a better understanding of how staging works, watch our video!*

Why incorporate staging in your practice?

» It reduces the stress on the owner and the veterinary clinic.

» It increases the percentage of accepted treatments.

» It maximizes the number of dental problems detected.

» It increases practice revenue.

How does staging work?

1. The veterinarian examines and reviews the radiographs, creates a graphical record, and evaluates the overall oral health of the animal.

2. The veterinarian explains to the owner the benefits of staging the procedures and schedules the necessary appointments.

3. The veterinarian assesses what can be done within the available time (a 2-hour window) for immediate treatment.

4. If additional treatments are required, they can be carried out in stage 2 or, if necessary, in stage 3.
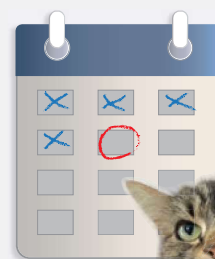
Are there risks to the Animals Health from Anaesthesia?

Studies show there is only an increased risk to the health of the animal if put under anaesthesia for longer than 2 hours. Therefore, by staging the procedures into separate visits of 2 hour sessions, the use of Anaesthetic is limited to one per session, and so significantly lowering the risk.

Vet X-ray Dental Staging

X-Ray Dental Staging is after the initial examination of the patient, the vet will discussing with the owner, what procedures are required and the cost. Then vet will agree with the owner to spread out the procedures over a number of appointments, done in stages. This is beneficial to the Veterinary Practice by allowing time to be allocated appropriately, thereby maximising the practices scheduling. As the sessions are scheduled for only 2 hours, the animal has significantly reduced risk to their health from being under anesthesia, as studies show. For the owner staging the procedures, eases the financial burden, as the cost is spread out over the specific time frame.
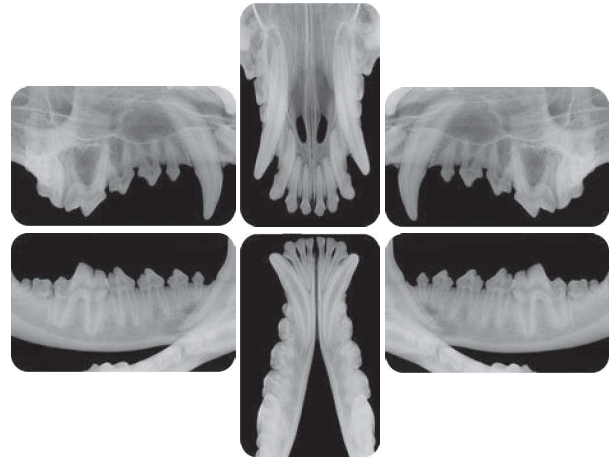
TESTIMONIALS

"

I have used a number of DR systems in the past, both in veterinary and human practice (Schick, Sirona, Kodak and Genoray), but I would have to say that the results and image quality that I am getting with the iM3 CR 7 Vet is the best so far.

The advantages of the CR 7 Vet over other DR systems when used in the veterinary environment include a unique range of plate sizes from size 0 up to size 5, which covers all pets from small to large. There is even an intra-oral plate for rabbits."

Dr. Anthony Caiafa
BVSc BDSc MACVSc
(SA Surgery and Veterinary Dentistry)

iM3 SIZE 5 OVERVIEW
Full mouth overview in a large dog in only 6 images using a size 5 CR image plate. Only available for iM3 CR 7$_{2.0}$ & CR 8 Vet Scanners
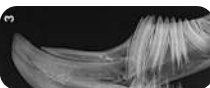

Size 5
Canine phalanges

Size R3
Rabbit molars

Size 2
Feline lower
incisors & canines

Size 0
Lower mandible
of small breed dog

"

The iM3 CR Scanner is my primary radiographic system in our veterinary dental referral clinic. I find this CR system very useful and I think that the quality of the pictures is outstanding.

I've used the new size 5 film for some time now. It's a valuable addition to the wide range of plate sizes.

When obtaining full mouth radiographic sets in dogs, the size 5 film gives a quick and detailed overview. It's easy to place and you still have all the fine details. Often almost a whole quadrant can be obtained in one film (canine, premolars and molars). Therefore obtaining dental radiographs in dogs is quicker and easier with the size 5 film, saving important intraoperative time."

Jens Ruhnau
DVM, Specialdyrlæge, Dipl. EVDC.

DENTAL X-RAY

VETERINARY DCT UNIT
Mobile 3D X-Ray System

Advanced Software
Upgrade available

HIGH RESOLUTION

FAST SCANNING

3D VIRTUAL PANORAMIC
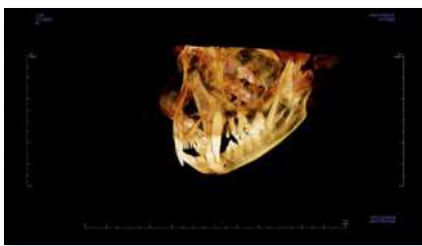
SELF-CONTAINED UNIT

Here at iM3 we are focused on providing the very best there is to offer our customers, and our DCT veterinary dental unit is no exception. iM3's DCT unit has been designed and engineered, both in terms of it's hardware and software, to provide all the features veterinary practices have been hoping for. We considered the cost, needs and limitations our customers had previously been hindered by, when producing this innovative DCT all-in-one unit.

This all-in-one unit, with it's mounted touch-screen means scanning, viewing and diagnosis is contained within the same system. Scan time is about 27 seconds and reconstruction on average takes 1.5 mins. The DCT is also able to produce 0.1mm slice thickness, which means it is on par with the most expensive CT system and superior than most CBCT's. With the smaller width, the DCT can fit through a standard door, uses a household plug and can be used in a normal sized x-ray room.*
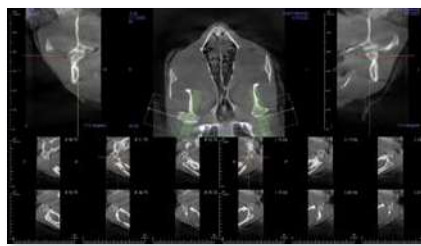
We offer the option to customise both your table and your screen. We offer various table sizes to accommodate exotic animals or extensions. The monitor can be ordered as a wall mounted unit and can be upgrade to a DICOM monitor if used externally. Head restraints can also be removed. Feel free to discuss your needs with us.

* dependant on governing regulations within country of origin
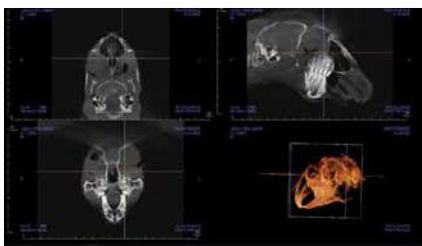
www.im3vet.eu

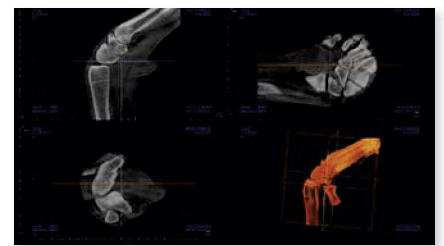# *Affordable true 3D imaging*

3D Panoramic - Cat head

TMJ - Cat head

Section - Cat head

Section - Rabbit head

3D Scan - Guinea-pig hip

Section - Dog knee

DENTAL X-RAY

www.im3vet.co.uk

Cat. No
DCT100

VETERINARY DCT UNIT
Mobile 3D X-Ray System

Quick Guide to the benefits of the dct software:

There are two versions of the user's software, the **standard software** is free, and the **Advanced Invivo 6 software,** which you will find is both intuitive and user friendly, is also being offered, as an upgrade, when you purchase your new iM3 DCT Unit.

The Advanced software can create a 3D volume rendering, visualise cross-sections, investigate trace nerves, create TMJ workups, create versatile layouts for placement and assessment of implants, print and save images, analyse sinus and airways, create traditional panoramic and cephalometric images from volumetric reconstructions, share cases with colleagues and pet owners using Anatomage Cloud medical image sharing platform* and many more functions. Training will also be provided.

3D SECTION

3D section view, using slice explorer, allows you to click anywhere on the 3D model and activated a 2D view to scroll through different sections. Easy to use for both beginners and experienced users.

3D PANORAMIC

The 3D panoramic replaces the need for a full mouth overview traditionally taken with 2D x-ray. By providing you with a full 3D model of the skull you are able to quickly identify root numbers, exposed furcations, resorbed roots, ankylosis and other pathology you may wish to examine further. It also provides an excellent visual aide when explaining dentition, pathology and treatments to your pet owners.

ARCH SPLINES (Arch)

Build separate maxillary and mandibular arch splines, enabling the cross-sections to be viewed more effectively.

STITCHING

Inorder to stitch the volumes together we use a landmark base registration, then a volume registration. The software will automatically look at the voxhil value (3D pixel) and match up the scans so they align. You can toggle through to check accuracy of the imposition.

IMPLANT PLANNING (Implant)

Improve your accuracy and visualize your treatment plan objective in 3D with the extensive implant library, to achieve parallel implant designs, volumetric sinus measurements, and intraoral scan registration. Creating custom 3D videos to share with colleagues when discussing the ideal treatment plan.

2D SECTION

View orthogonal planes, create custom sections for 2d visualisation, and make distance measurement within the cone beam computed tomographic volume (CBC TV) or within the airway.

ENDODONTIC VISUALISATION (Endo)

Examine both internal and external tooth structures. Accurate working length measurements can be performed, calculate route and endodontic fouling in either 2D or 3D view. Create and export sliced data, summary data, 3D airway model or graphs.

ADVANCED DIAGNOSIS FEATURES

IMPROVED AIRWAY

Airway visualisation, easily trace and accurately measure properties of a patient's airway and additional tools for data export and presentations. Ideal for brachycephalic dog breeds when discussing airway issues. with pet owners.

SUPERIMPOSITION

Superimpose a planning implant case with a post-op implant case to determine the accuracy of implant placement.

TEMPOROMANDIBULAR JOINTS (TMJ)

Customize your preferred layout to visualize multiple cross-sectional slices, quickly create 2D and 3D workups, and automatically segment the condyle and fossa in 3D. Superimpose two scans to analyze existing asymmetries and accurately measure TMJ treatment changes over time.

MODEL

Using a single CBCT scan and a simple digital photograph, create impression-less study models that represent the true patient anatomy. The model can also be 3D printed.

GALLERY

Capture desired images from workups to store in the Gallery, then export your images to share with colleagues.

PANORAMIC IMAGING (Pano)

Construct and view an enhanced version of a panoramic radiograph, take measurements and utilize several image enhancement features.

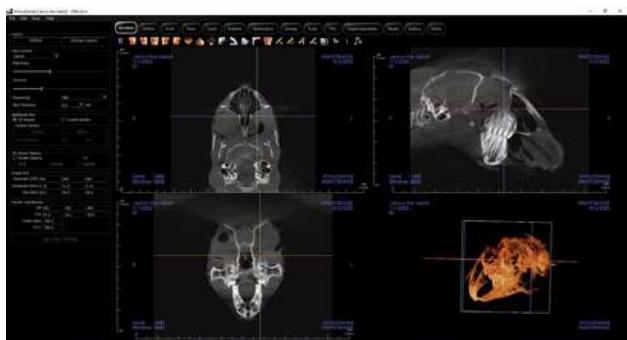* Anatomage cloud service may incur a cost for some uses, these costs are not included in the price of our DCT unit

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Cat Sinus Section (MPR)

Cat Tooth Section (MPR)

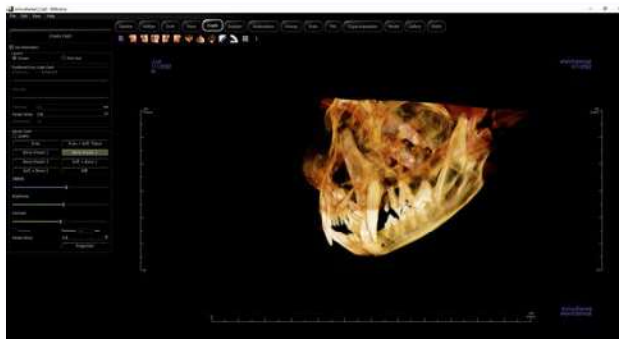### Rabbit Tendents Section (MPR)

TMJ - Cat (multiple cross-sectional slices)

Stitch Tab (MPR)

3D Panoramic

Cat Joints Section

Guineapig 3D volume render

Should you like to view the above images as DICOM files, please contact our sales team on **sales@im3dental.com**, who will be happy to help.

DENTAL X-RAY

Cat. No
DCT100

VETERINARY DCT UNIT
Mobile 3D X-Ray System

DIAGNOSTIC EQUIPMENT -
touchscreen PC can be customised
for your requirements

ERGONOMIC TABLE -
comfortable workflow, option
of three sizes, small for exotic
animals, standard or extension

POSITIONING LASER LIGHT -
guides to right patient position

PATIENT BED -
no intraoral senor required,
simply clean the bed after use

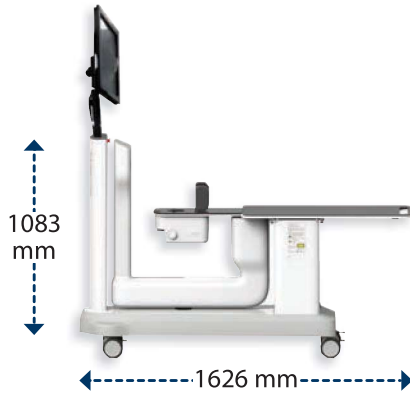**CMOS SENSOR -**
3D with high level of
soft tissue

*No maintenance
fee, a normal
yearly service
will suffice.**

2 yrs
WARRANTY

MOBILE 3D X-RAY SYSTEM -
easy and quick to position

UNIT SIZE - shorter in length
and width than standard unit,
so able to fit into a smaller area

www.im3vet.eu

* dependant on governing regulations within country of origin

iM3 | The Global Name in Veterinary Dentistry

00:27:00 ✓

27 seconds
Full mouth scan

1.5 minutes
Reconstruction

1083 mm

1626 mm

FEATURES & BENEFITS
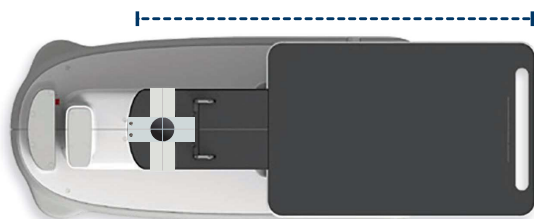
✓ True 3D imaging for dentistry, extremities and exotics

✓ The unit provides a scan and stitch feature for increased volume

✓ High resolution - 0.1mm slice

✓ CMOS provides a high level of visible soft tissue which you don't usually get with CBCT

✓ Scan time is approximately 27 seconds, and reconstruction time averages 1.5 minutes

SPECIFICATIONS

DETECTOR TYPE	A/D	CT FOV	OPERATING TIME		WEIGHT	HEIGHT	DURING OPERATION
CMOS photodiode	14 bit	Pre-stitch 82 x 67mm	Scan 27.04 sec	Exposure 21.24 sec	140kg (308.6 lbs)	1083mm (42.6 inches)	1625.8 (L) x 975 (W) x 1083 (H) mm 641 (L) x 384 (W) x 426.4 (H) inch

BED LENGTH available in:

Short bed **96cm** or Standard bed **126cm**

The DCT unit is a game changer for small and large practices, so here at iM3 we would like to draw your attention to the Advanced Software which is available as an upgrade, to make an already great product even better. Contact iM3 or your local distributor for more details.

SUITABLE FOR VETERINARY PRACTICES WHO:

✓ Are involved in dental, exotic or/and extremity work

✓ Do not have the space or budget to purchase a large full body CT scanner

✓ Want to limit the scan to the mouth of their patient rather than the whole head to reduce dose

✓ Has a need for a second CT for dentistry, exotics, emergency, and extremity work, as the Toll CT is too busy.

✓ Specialists who require high resolution results

✓ Want to offer dentistry, extremity, exotic work, and are interested in the capabilities of a true 3D over a virtual 3D

Do you need help or have a question? Please feel free to contact our sales team:
sales@im3dental.com

VetCAT Cone Beam CT Scanner

Cat. Code
CNBVET

Veterinary Cone Beam CT that's small, portable, and ideal for any Veterinary Clinic!

VetCAT Cone Beam CT Scanner

High-quality 3D imaging is invaluable for accurate diagnosis and treatment. VetCAT is a cone beam CT scanner designed to be used by veterinarians and staff in the clinic.

- VetCAT is small and portable—ideal for a veterinary clinic setting. Its compact size makes it easy to store and access when you need it.
- With four-wheel steering that turns on a dime, VetCAT rolls easily into position for scans on demand.
- VetCAT is easy to use and generates scans in less than one minute.
- Because VetCAT is self shielded, there is often no need for a dedicated scanning room or expensive room shielding.

VetCAT generates high-quality, fully 3D images with submillimeter resolution and geometrical accuracy superior to multi-slice, full-body CT scanners.

Since VetCAT can be used intraoperatively, it enables you to precisely visualize your surgical margins and ensure the completeness of your surgical intervention before closing.

Medical head and neck surgeons have reported that, when they use Xoran's CT technology, they have altered their original surgical plan and intraoperative decision making in 25-30% of their cases.

CT technology is ideal for providing high-quality 3D images, but full-sized CT scanners are expensive and impractical in a veterinary clinic setting. Outsourcing your patients for CT scans to remote imaging providers delays diagnosis and treatment, and causes stress to your patient and the owner. VetCAT gives you control over the timing and quality of your scans—at your patient's point of care.

VetCAT equips you with an easy-to-use, fast, non-invasive tool to accurately assess your patient's condition in real time during exams.

Discover the disease you may have otherwise missed

While 2D X-ray systems give you a basic, planar view of the anatomy, they do not allow you to see what lies behind and around the region of interest. VetCAT enables you to view the anatomy in all three planes, giving you a more complete picture of your patient's condition, and enabling you to better understand the anatomy you are about to approach clinically. Armed with high-quality 3D images, you can avoid delays and uncertainty and work more efficiently and effectively.

Once you have a diagnosis and treatment plan in mind, VetCAT makes it easy for you to share images of your patient's condition with the owner, so they can better understand the nature of their pet's injury or disease. This empowers them to authorise treatment and knowledgeably and proactively assist with post-treatment compliance.

SPECIFICATIONS

Radiation Shielding	Self-Shielded
Field-of-view, Axial	~14 cm
Field-of-view, Cross-sectional	~ 24 cm
Slice Thickness	≥0.1mm
Reconstruction Time	<60 sec. / 600 frames
Compatibility	DICOM, PACS, WORKLIST
Electrical	120v/220v standard outlet
Patient Holder Composition	Carbon Fiber
System Dimensions	32" x 47" x 60"
Weight	482 lbs
Gantry Opening Dimensions	16" x 21.5" x 17"
Gantry Rotation	360°
Mobility	Battery-operated during movement
Data Backup	Automatic via XoranConnect

VetCAT On-line
Click here to find VetCAT webinars and view the full VetCAT brochure on our website

VetCat Website

VetCAT portable CT for Veterinarians
VetCAT is a small, portable CT scanner designed for use by veterinary professionals in the clinic.