

# VET

# DIGITAL SOLUTIONS

RIS AND PACS FOR VETERINARIANS

*VET TOOLS  
THAT WILL  
“WOW” YOU*



# VETS AT THEIR BEST WITH RIS AND PACS

You have a dream: Put an end to human medicine tools for vets.  
We have the solution: A whole digital product line specialized in veterinary medical imaging.

## Why go digital?

The answer is as simple as:  
IT'S FASTER, BETTER AND EASIER!

## Does going digital meet my standards?

The whole product line is easily customizable, giving you the power to adapt imaging tools to your specific requirements. Whether you need a mini PACS or an all encompassing image information system - we have the right product for veterinarians.

Our VET products support veterinary specific data like breed description, studbook names, patient's sex neutered, animal IDs etc. in a clear-cut way.

## Can I go digital while keeping my existing X-Ray equipment? Can digital equipment be easily integrated?

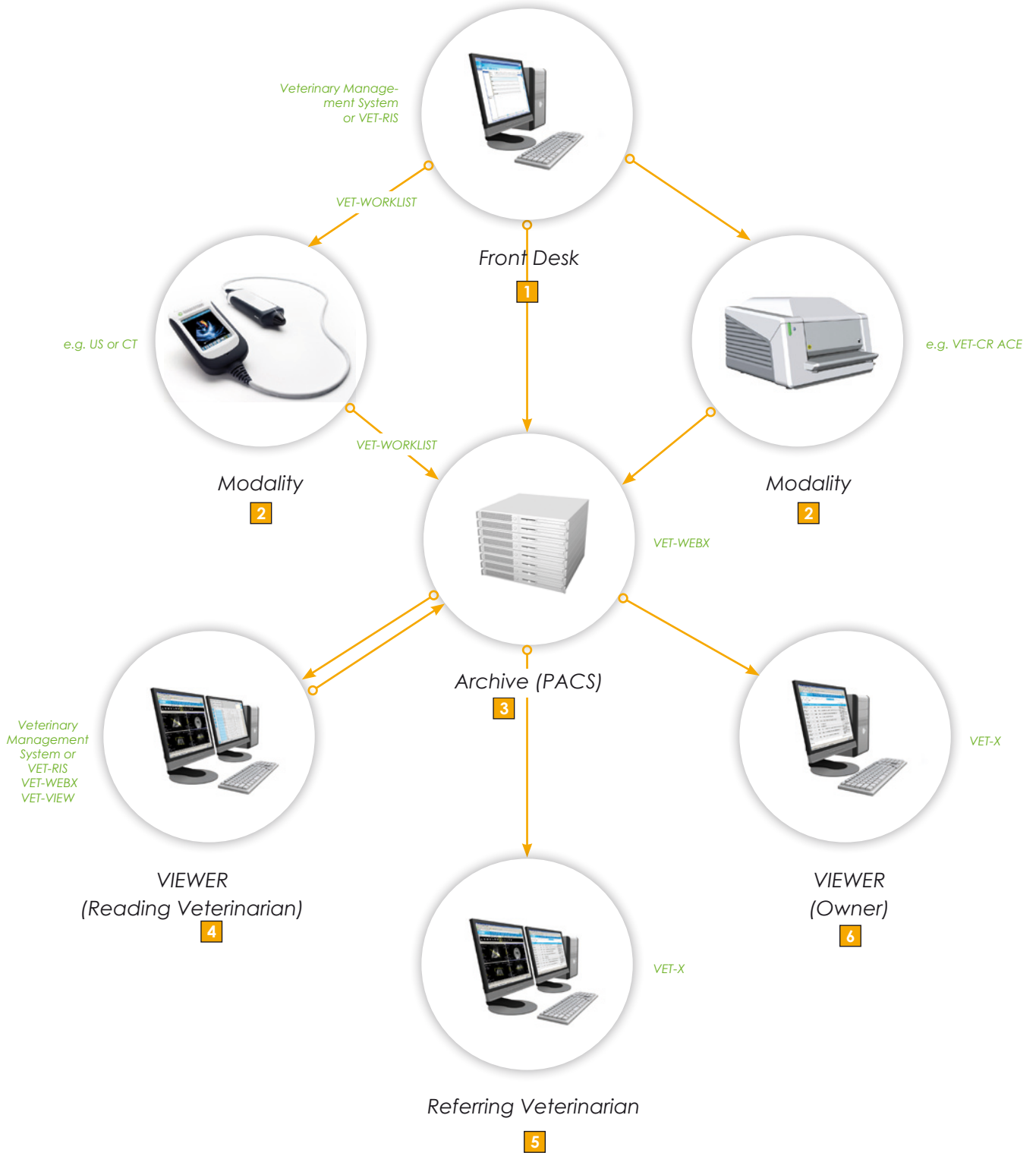
Our VET-RIS/PACS product family has user-friendly interfaces designed for easy integration into your practice and network.

You can keep your existing X-Ray workplace and digitize X-Ray images using our innovative CR reader VET-CR ACE. Images will be exposed on photosensitive phosphor plates available in all typical formats. These plates can be automatically read-in by the CR ACE reader without any need for manual adjustments. Digital ultrasound devices can send data directly to VET-WEBX. There are capture devices (iQ-CAPTURE) to digitize older

equipment to DICOM. With VET-VIEW, images can easily be manipulated, compared or optimized by applying various available filters.



# A FULL DIGITAL WORKFLOW



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## 1 Owner arrives with pet at front desk

- a. VET-RIS or your veterinary practice management system manages appointments.
- b. VET-WORKLIST receives or queries scheduling data from your practice management system and provides a consistent DICOM modality worklist to your imaging devices.

## 2 Pet is examined

- a. VET-WORKLIST creates fully veterinary DICOM compliant medical images even when using human imaging devices.
- b. VET-CR ACE can digitize image plates, which have been generated by an existing X-Ray device

## 3 Image data is complete

VET-WEBX stores images and patient data.

## 4 Image data is sent to reading vet's viewing station

- a. VET-WEBX can forward images rule based to reading station.
- b. VET-VIEW, as dedicated veterinary reading station, can send annotated or result images back to archive for documentation.
- c. Reading vet can dictate reports directly into VET-VIEW, VET-RIS or into the existing practice management system.

## 5 Referring vets can view their cases

VET-X displays images, reports or any other attached data to referring vet.

## 6 Owner can view images

Owners may access released data online by using VET-X.





# MAIN ADVANTAGES OF GOING DIGITAL

**SCHEDULE** With VET-RIS or VET-WORKLIST, users can create consistent worklists for any imaging device with their practice management system.

**ACQUIRE** Digital imaging does not need chemistry, dark-rooms, waste disposals and ventilation systems. Hence, you can finally get rid of toxic developing procedures.

VET-CR ACE can digitize image plates, which have been generated by your existing X-Ray device. Additionally, with VET-VIEW images can easily be optimized.

VET-WORKLIST can create fully veterinary DICOM compliant imaging data even when using human imaging devices.

**READ** VET-VIEW includes a handy and customizable toolbar in the viewer to allow the easy and individual selection of tools needed for processing images, like zooming, windowing, measuring, filtering and more. Simply set up the most relevant ones in your own default toolbar. Annotations on images or other manipulations can be saved as separate presentation states in the PRO version. This way, any later reviews will be consistent. Any previous studies can be loaded immediately. Additionally, VET VIEW PRO offers customizable hanging protocols and the consistent management of presentation states.

IMAGE-DISPLAYS are high resolution diagnostic monitors displaying the whole range of gray shades up to a grey depth of 12bit as acquired on most modalities.

**ACCESS** External image data can easily be read-into VET-SYSTEM PACS using the DICOMReader.

**DISTRIBUTE** Imaging studies can be sent via email to referring vets (iQ-MAIL) or are directly available via secured web (VET-WEBX).

iQ-ROBOT is a simple and affordable solution to automatically create CDs/DVDs containing medical studies and reports from the local network.

Another option is to print on regular paper in high quality directly from a modality using iQ-PRINT.

**SHARE** By implementing teleradiology systems (e.g. VET-WEBX), reading physicians can access studies from anywhere in the world - even on their notebook. This way, veterinary imaging centers gain independence and flexibility. Furthermore, they can save time and resources while keeping standards high.

The same tool (VET-WEBX) provides referring vets simple and secure access to the whole animal history, e.g. studies, reports or documents, via the internet.



### What is PACS and DICOM?

Computers and networks dedicated to the storage, retrieval, distribution and presentation of medical images are known as picture archiving and communication systems (PACS) in the medical field. In order to facilitate proper communication between them and the modalities, standardized formats for Digital Imaging and Communications in Medicine were necessary. Attending to this need, DICOM was created, as a continuously developed set of imaging standards that allow different medical devices to interface smoothly.

### How safe is digital data?

In order to prevent data loss, VET-SYSTEM PACS offers a series of reliable and secure business continuity planning models.

Referring physicians or owners may only access data relating to them. The system automatically manages data separation, for example in case of changes of ownership and/or referring, reading or treating physician.

### Can we do our billing digitally?

Billing modes can be flexibly adapted to any specific requirements in VET-RIS. Invoices may be written in VET-RIS or handed back as procedure codes to a practice management or billing system.



# SUMMARY

## TO THE POINT

RADIOLOGY YESTERDAY	RADIOLOGY TODAY
Conventional radiographies	Digital files
Light boxes in dark rooms	IMAGE DISPLAYS: High quality displays (12bit) under almost daylight conditions
Average image quality	High quality digital images
High space requirements for storing images	Minor space requirements for workstations and servers
Fixed image on film	VET-VIEW for flexible image post- processing
Manual "post-processing" with ruler and protractor	Automatic post-processing with specialized add-on modules e.g. VET-STITCH
Use of toxic chemicals	Environmentally friendly
Slow image transfer to colleagues	Fast electronic image transfer
Missing paper files or documents	VET-RIS, electronic medical record, scheduling and billing process always online
Typing mistakes on different modalities	VET-WORKLIST for consistent imaging data
Limited access to images	Any image, anytime, anywhere
Owners received no copies	Owners may get a web based access to their data, can receive a CD/DVD or USB medium with their pet's images, e.g. iQ-ROBOT, or a paper copy, e.g. iQ-PRINT



# OUR COMPANY AT A GLANCE

IMAGE Information Systems is a British-German company group, which offers complete, easy-to-use and affordable solutions for the most demanding customers in the field of medical imaging.

Thousands of satisfied clients all over the world are benefiting from our state-of-the-art products for PACS, RIS, nuclear medicine, medical displays, X-ray solutions, 3D processing and teleradiology.

We have pioneered several innovations to the market: We are the first worldwide PACS vendor to introduce true 12 bit grayscale display technology for a visibly better quality of CR, DR and CT studies. We are the world's first provider of a fully automatic nuclear heart reconstruction. Our DICOMReader has the highest available read-in rate of patient CD-ROMs ensuring virtually full compatibility with almost all available imaging modalities and vendors.

IMAGE Information Systems provides the 2nd largest digital imaging user forum on earth with more than 24,000 registered users.

To learn more about us and our products, please visit our web site.



[www.vet-pacs.com](http://www.vet-pacs.com)

## OUR SOLUTIONS FOR YOUR IMAGING NEEDS

**VET-VIEW**

The veterinarians' radiology reading station

**VET-STITCH**

Tool for merging several veterinary medical images

**VET-WEBX**

Web-based veterinary PACS

**VET-WORKLIST**

Consistent imaging worklists for vets

**VET-RIS**

The radiology information system for veterinarians

**VET-RIS EQUINE**

The radiology information system specialized in horses

