VetradPRO *Edge*

Film Digitizing Solution for Veterinary Applications

This product is not intended for Human Use

VIDAR Systems Corporation introduces the **VetradPRO** *Edge* – an affordable quality solution for a variety of veterinary animal & pet care settings that overcomes some of the most common barriers in the use of medical grade digitizers in veterinary applications.

The **VetradPRO** *Edge* features:

Excellent image quality and consistency

- ➢ Clinical Optical Density from 0.2 to 3.2 which, unlike many other manufacturers takes into account noise and linearity requirements at each density step.
- ➢ VIDAR's unique ADC (Automatic Digitizer Calibration) resulting in virtually no variation in image quality and ensuring excellent grayscale reproduction in every image – a feature lacking in flatbed or simple non-medical scanners.

Reliable, proven and maintenance-free design

- ➢ Straight film path (no film jams)
- ➢ Field-replaceable LED light source
- ➢ No routine maintenance required

Easy to use and productive

- ➢ American College of Veterinary Radiology recommended quality in <14 seconds
- ➢ Easy film loading – extra wide film entrance only 8.25" (21cm) above countertop for easy film loading
- ➢ Optional 10 sheet, mixed-size film feeder for busy environments

Sensitivity to veterinary siting and budgetary constraints

- ➢ Minimal desktop space required
- ➢ Low purchase price as well as low total cost of ownership
- ➢ Options for single or multi-sheet feeding systems to meet volume or budgetary requirements

Digitizing medical x-ray film is a science not an art!

Creating an accurate representation of a medical x-ray film is not the same as making a picture. Therefore, specifications such as DMAX are not useful in a discussion of medical x-ray film digitizers. VIDAR film digitizers are specifically designed for the application of digitizing medical x-ray film. That's why we specify and test every VIDAR film digitizer for Clinical Optical Density – a measurement that includes analyzing the noise and linearity across the density range of x-ray film.

The **VetradPRO** *Edge* is supported by VIDAR's excellent customer service. It delivers unmatched stability, consistency, and ease of use. With no additional burden placed on staff, veterinary radiologists can be confident that the digitized image is faithful to the hard-copy film and that their diagnoses are based on accurate and complete information. The **VetradPRO** *Edge* combines unmatched image quality, superior reliability, compact size and affordable ownership, resulting in the most economical American College of Veterinary Radiology compliant film digitizer on the market.

VIDAR
systems corporation
The Image of Reliability

VetradPRO *Edge*

Film Digitizer for Veterinary
General Radiology & Teleradiology

Nominal Resolution	Pixels (14" x 17" Film)	Spot Size (µm)	DPI	Line Pairs per mm	Digitizing Speed
1K x 1.25K	1008 x 1124	339	75	1.5	<14 Seconds
2K x 2.5K*	2002 x 2431	169	150	3.0	<14 Seconds
4K x 5K	4200 x 5100	85	300	5.8	<28 Seconds
8K x 10K	8400 x 10200	42	600	11.8	<56 Seconds

*Meets or exceeds all American College of Veterinary Radiology Guidelines (2007)

Specifications

Clinical Optical Density
0.2 - 3.2 (calculation based on noise and linearity to original OD to provide a more consistent measurement for medical veterinary applications)

Optical Density DMAX
4.8 (not a valid measurement for veterinary medical film digitizing, *but some office products companies believe it has meaning)*

Bit Depth
8, 12, and 16-bit output (16-bit ADC)

MTBF
>35,000 hours

Film Sizes
Width: 7" to 14" (17.8 cm to 35.6 cm)
Length: 7" to 17" (17.8 cm to 43.2 cm)
          up to 51" (130 cm) can be accommodated in single film mode
Thickness: 0.006" to 0.008 (0.15 mm to 0.20 mm)

Film Feeder
Single-film or 10-film, mixed size feeders available
"Light Box" loading: head-up, normal reading, left justified

Geometric Accuracy
Better than 1% or 2 pixels, whichever is greater, in both axes

Hardware Interface
USB 2.0

Software
Windows® scanning modules and software development tools available

Power Requirements
Voltage: 100~240 Vac
Frequency: 50~60 Hz
Power: $\leq$48 Watts

Operating Environment
60º to 85º F (15º to 30º C), 20% to 85% relative humidity, non-condensing

Storage Environment
5º to 140º F (-15º to 60º C), 20% to 85% relative humidity, non-condensing

Illuminator & Detector
LED Illuminator & CCD detector

Dimensions
Width: 18" (45.7cm)
Height: 23" (58.4cm) – clearance of 26" (66cm) required for 17" (43.2cm) film
Depth with catch basket: 13" (33cm). Unit protrudes 3.5" (8.9cm) in front of counter. Basket hangs 16" (40.6cm) below counter surface.
Depth with exit ramp: 17" (43.2cm). Additional space for film exit onto counter.

Shipping: 27-1/4" x 17-1/2" x 15" (69.2cm x 44.5cm x 38.1cm)

Weight
22 lbs. (10 kg); shipping weight: 30 lbs. (14 kg)

Specifications are subject to change without notice

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