

AKAI Med



MED SCAN R for veterinary

MODEL / COMBINATION: MED SCAN R for veterinary

(High frequency (50 KHz) mobile C-arm with rotating anode x-ray

tube, 9" image intensifier, LDHD Memory and one 32" High resolution monitor)

TECHNICAL SPECIFICATIONS OF EQUIPMENT

Sr. No Parameter Specification

1. X-RAY GENERATOR

Type High Frequency 50kHz X-ray Generator

Power Output 6 KW

KV RANGE 40 to 120 KVP

mA Output

FLURO Normal Mode 0.1 to 5mA

HD/Boost

Flouro mode up to 10mA

Radiography Up to 120mA

mAS Range 1-200mAS

2. CONTROL PANEL:- A very compact, soft touch control panel(APR) with L.C.D display on which KV, fluoro mA, radiography mAs, fluoro time, I.I Zoom, error interlocks for KV, filament and thermal overload are displayed. Console panel has following functions and indications.

- Machine ON/OFF switch.
- I.I magnification (I.I field) selection switch.
- Fluoro and Radio mode selection.
- Fluoroscopy timer (Five minute cumulative timer with buzzer that activates after the completion of 300 seconds of exposure to reinitiate the exposure reset switch is provided).
- ABS (Automatic brightness stabilization) selection for hand free operation- also known as ADR
- KV and mAs increase and decrease switches.
- X-Ray ON switch with indicator.
- Switches for up/down movement of "C" on both side of panel.
- Radio and Fluoro Exposure ON Switches on Panel
- Emergency OFF switches on the control panel.

3. X-RAY TUBE Anode type: Rotating Anode
Small focal spot:0.3mm (Max. power 5 KW)
Large focal spot:0.6mm (Max. power 17 KW)
Anode heat storage capacity: 300 KHU
The X-Ray Tube Head is thermally protected.

4. COLLIMATOR Iris collimator

5. X-RAY IMAGE INTENSIFIER

Nominal entrance field size 23 cm (9")

Output image diameter 25mm

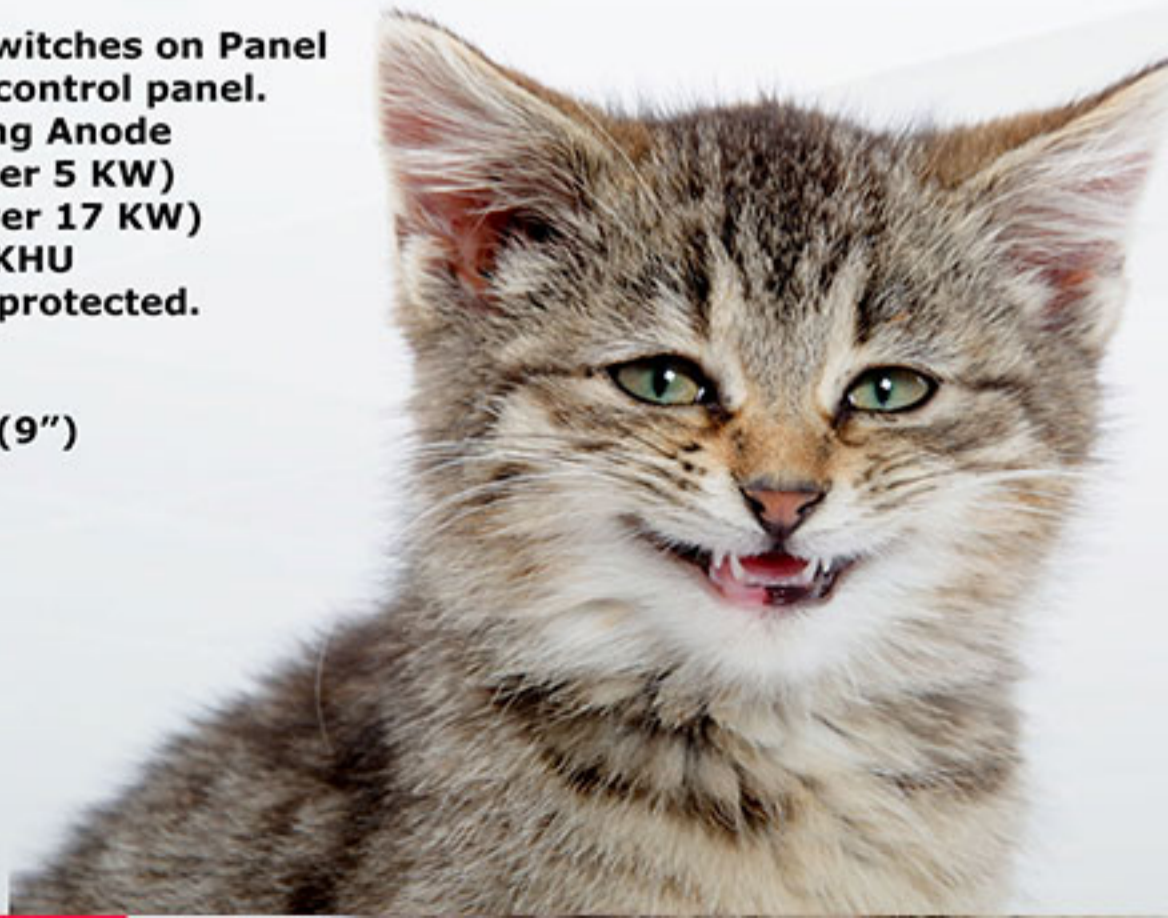
Field size(Three fields are available Normal,Zoom1 and Zoom2)

Normal = 9"

Zoom-1 = 6"

Zoom-2 =4.5"

Resolution 52Lp/cm



6. CAMERA High definition camera

7. MONITOR 1 No. 32" High resolution LCD monitor
with split screen
display with trolley

8. C-ARM MOBILE STAND

FOCUS TO I.I DISTANCE 940mm

C-DEPTH 600mm

745mm

ROTATIONAL MOVEMENT +/-180 0

MOTORIZED UP/DOWN TRAVEL 430mm

HORIZONTAL TRAVEL 210mm

ARC ORBITAL MOVEMENT +90 to -300

WIG WAG(PANNING) MOVEMENT +/-12.50

9. MEMORY FEATURES High Resolution image processing software

Main features

- GUI based software panel for easy operation
- Pre-set image parameters setting as per Extremities, Ortho, Uro procedures.
- Unlimited patient folder creation with total image storage up to 500 images

Pre-processing:-

- LIH Operating Mode
- Averaging 1 to 16 frames
- Patient data Entry, Manual & Emergency modes
- Pulse Fluoroscopy & Cine loop recording.

Post processing:-

- Brightness / Contrast Adjustments/Enhancement with control of WW & WL
- Negative image feature
- zoom with pan
- Image Flip UP/DN & L/R
- Image rotation feature
- Quad view
- Image save & Retrieve from & to separate patient images folders

Storage & Connectivity:-

- PC connectivity through LAN port
- Image storage through USB

10. POWER SUPPLY REQUIRMENT

230Volt, 1phase supply of 50/60Hz Hz Frequency
with line regulation of +/-10%



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