

ZEN-Series Specification

Model Name	ZEN-5000	ZEN-7000
X-RAY GENERATOR		
Type	HF Inverter (40kHz)	←
Power output	2.2kW	5kW
Fluoroscopic mode		
ABC (Auto Brightness Control)	Yes	←
Continuous Mode		
; kV range <Step>	40~110 < 1 >	40~120 < 1 >
; mA range <Step>	0.2~6.0 <0.1>	←
Pulsed mode	max. 6 mA	1~10 mA
; Frame rate	15 fps	15 fps or 30 fps
Boost Mode	No	←
Snapshot(Fine View) Mode	Yes/ 10~25mA	←
Oneshot(Low Dose) Mode	Yes / max. 6 mA	No
Radiographic mode		
kV range <Step>	40~110<1>	40~120<1>
mA range	20 (fixed)	← (77kv/65mA available)
mAs range	1~100	←
Generator's Heat Unit (HU)	1,034,880	1,128,960
Housing Heat Cooling Rate (W)	93 (7,882 HU/min)	75 (6,356 HU/min)
X-RAY TUBE		
Anode Type	Stationary	Rotatory
Anode Heat capacity, (HU)	50,000 (35.5kJ)	304,054 (225kJ)
Anode Heat Cooling Rate (W)	600 (50,700 HU/min)	750 (63,375 HU/min)
Max kVp	110 kVp	120 kVp
Focal spot(Fluoroscopic)	0.5 mm	0.3 mm
Focal spot(Radiographic)	1.5 mm	0.6 mm
Target Angle	16 °	10 °
Total filtration (mmAl)	3.8 (Inherent : 0.8, Additional : 3.0)	4.4 (Inherent : 1.4, Additional : 3.0)
COLLIMATOR		
Type	Iris	←
Composition	2 Unit : Octagonal Iris + Shutter	←
Shutter	Symmetric	←
Rotation	360 °	←
Virtual collimator	Yes (on OP)	←
IMAGE INTENSIFIER		
Input Field View Size , Inch(mm)	9 inch(φ 230)	←
Nominal Entrance Field Size (Inch)	9/6/4,5	←
Central Resolution (lp/cm)	52/58/68	←
Contrast Ratio(10%)	30 : 1	←
Cassette holder size (Inch)	10 X 12	←

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TV CAMERA		
Type	CCD Camera	←
Image Memory	16 frames	←
Scan lines (Hz) or Pixel Size	1004*1004	←
Specific Function		
Shading compensation	Yes	←
Edge Enhancement	Yes	←
Recursive filter	Yes	←
Image Rotation	Yes	←
LIH(Last Image Hold)	Yes	←
Monitor		
Type	TFT-LCD	←
Size (Inch * Quantity)	19" B/W * 2	←
Length of Monitor Cable (m)	5	←
DIMENSIONS		
SID (mm)	1000	←
Free space (mm)	780	←
Depth (mm)	680	←
Orbital rotation	135 °	←
Horizontal travel (mm)	200	←
Vertical travel (mm)	500	←
Panning motion	±12.5 °	←
Pivot rotation	±190 ° (Limited)	←
Weight (Main Body+Monitor Cart)	275 kg	320 kg
OTHERS		
Operation Panel	Touch Screen	←
Power Requirements	Single Phase, AC 110/220V, 50/60Hz	←
Clear Cover	1 set	←
Cassette Holder	1 set	←
Foot Switch	1 set	←
Hand Switch	1 ea	←
OPTION		
Laser Localizer	Yes	←
Dose Area Meter	Yes	←
Hour Meter	Basic (on OP)	←
DICOM Solution	Yes	←
DSA	Yes	←

Note : Specifications subject to change without notice.