

OCTAVE

Preliminary



Next-generation digital radiography systems

OCTAVE Series

Next- Generation Digital Radiography Systems

OCTAVE Series is the next-generation digital radiography system aimed to provide a better healthcare service. OCTAVE Series is equipped with the cutting-edge technology of digital radiography including improved system usability, compact design, high image quality, and convenient diagnosis tools. With such advanced features, the series enriches the user experience with high-quality clinical images, easy operation, and improved daily workflow. OCTAVE Series supports you to provide excellent patient care at an affordable total investment.





Easy usage of chest bucky

Easy exchange of detectors and adjust the height of chest bucky

Status indicator

Immediate status check of bucky from LED light at the top of the system



LCD Display (tube mount)

LCD display enables convenient checking of setting information such as collimator angle adjustment, SID, and generator parameter information (kVp, mA, mAs) for fast and simple preparation



Easy handling of console

Soft tilting of stand console for easy adjustment of tube



Curved design

Curved design on the corners and sides of table and collimator for enhanced users and patients' safety.



Smoothly sliding table

Simple and smooth adjustment of the table location to any direction



Gently sliding bucky

Easy insertion of detectors to the bucky



Wheel controller

Easy controlling of the generator parameters with wheeling interface



OLED Screen

Convenient checking of the detector information such as battery level and wireless connection



External buttons

External buttons to control the power and AP mode for simple activation and wireless connection of the detector

High Quality Detectors and Software

Enjoy the simple operation of the system with intuitive and ergonomic design



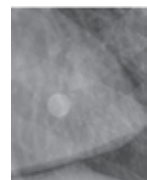
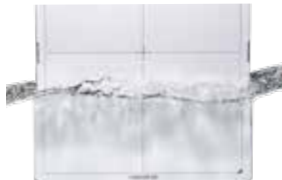
2530 VAW
2530 VAW PLUS



3643 VAW
3643 VAW PLUS



4343 VAW
4343 VAW PLUS



[Non-grid]

[SBSC]

• **Robust Design**

- 400 kgs uniform load
- 200 kgs local load
- 15 seconds booting time
- 100 cm drop test

• **Superior Durability**

- IP67
- 3 seconds image transition time
- Up to 16 hours of battery life

• **Convenient Features**

- Dose control on the monitor
- Image processing modes for soft, normal, and hard images
- Image-stitching, annotations and measurement guide
- Customizable user interface, themes, and setting

• **Software-Based Scatter Correction (S.B.S.C.) Algorithm / Photon-Understanding Solution Powered by AI**

- Better dose control
- Reduction of exposure dose up to 40%
- Anatomy-based dose control



Customer Oriented Support

A separate training program on the system is provided while setting up the OCTAVE Series for easier understanding of it. This, in the end, streamlines customers' daily workflow. Our proper and fast product support whenever you have any inquiries or need immediate support. Please contact your sales manager and we will be with you very soon.

Main Specifications

Main System

		GR10X-40K	GR10X-50K
Generator	Power Input	230 VAC \pm 10%, 50/60 Hz	400 – 480 VAC, 50/60 Hz
	Power Output	40kW, 1-phase & 3-phase	50kW, 3-phase
	kV Range	40 – 150 kV	40 – 150 kV
	mA Range	10 – 500 mA	10 – 630 mA
	mAs Range	0.1 – 630 mAs	0.1 – 630 mAs
	CE Mark	CE0197	
Tube	kV Range	40 – 125 kV	40 – 150 kV
	Rotation	Rotating 16° at high speed	Rotating 12° at high speed
	Anode Heat Storage Capacity	100 kJ (140 kHU)	210 kJ (300 kHU)
	Focus	Small focus: 1.0 mm Large focus: 2.0 mm	Small focus: 0.6 mm Large focus: 1.2 mm
Collimator	Power Input	24VAC, 50/60 Hz	
	Max Tube Voltage	150 kV	
	Light Source	LED lamp 24 VAC 1A/24VDC 1A	
	Inherent Filtration	Inherent filtration 1.2 mmAl	
	Field Size	Max field size : less than 48 cm x 48 cm at SID 100 cm	
Tube Stand	Power Input	220VAC, 50/60 Hz	
	Column Rotation	\pm 180° with mechanical detent at each 90°	
	Horizontal Rotation of X-ray beam	\pm 180° with manual lock	
	Travel Distance	Vertical : 1470 mm (413 mm to 1883 mm) Longitudinal : Approx. 1700 mm (Rail 2210 mm) Lateral : Approx. 180 mm	
Bucky Table (4-way)	Power Input	24VDC	
	Size (L x W x H)	2000 x 750 x 657 (mm)	
	Max. load of Tabletop	135kg	
	Table Movable Distance	Longitudinal : \pm 300 mm	
		Transverse : \pm 125 mm	
	Locking System	Electromagnetic lock	
Inherent Filtration	0.8 mmAl		
Bucky Stand	Power Input	24 VDC	
	Inherent Filtration	0.5 mmAl	
	Vertical Movement	Approx. 1400 mm (340 to 1740 mm)	

Options

X-ray Flat Panel Detectors

	FXRD-2530VAW / FXRD-2530VAW PLUS	FXRD-3643VAW / FXRD-3643VAW PLUS	FXRD-4343VAW / FXRD-4343VAW PLUS
Receptor Type	a-Si TFT	a-Si TFT	a-Si TFT
Scintillator	CsI	CsI	CsI
Pixel Pitch	124 μ m	140 μ m	140 μ m
Resolution	4.0 lp / mm	3.5 lp / mm	3.5 lp / mm
Active Array	2048 x 2560 pixels	2560 x 3072 pixels	3072 x 3072 pixels
Weight	1.95kg 2.1kg (PLUS)	3.15kg 3.3kg (PLUS)	3.65kg 3.9kg (PLUS)
Operating Condition	Drop limit: up to 1,000 mm, Uniform Load: up to 400 kg, Water and Dust resistance: IP 67		
	10 x 12 inch	14 x 17 inch	17 x 17 inch
Size	FXRD-1012NW	FXRD-1417S	FXRD-1717N / NW
(Optional Detector Models)	FPD-2530VAW / 2530 VAW PLUS	FXRD-1417NW	FXRD-1717V
		FPD-3643NW	FPD-4343V
		FPD-3643VAW / 3643 VAW PLUS	FPD-4343VAW / 4343 VAW PLUS

Others

PACS - QXLink3	DAP (Dose Area Product)	AEC (Automatic Exposure Control)	Console
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OCTAVE Series Components



Digital X-ray Flat Panel Detectors



Image Acquisition Program



Bucky Table



Bucky Stand



Tube Stand



PACS-QXLink3 (Option)



AEC (Option)



DAP (Option)



Console / Mini Console
(Option)



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OCTAVE



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This brochure describes general technical information of product specifications as well as standard and optional features that do not always have to be present in individual cases. Standalone clinical images may have been cropped to better visualize pathology. Specifications described herein are subject to change without prior notice. Please contact your local sales representative for the most current information.