BPL DP580 Technical Specifications

Flat Panel Detector (FXFD-1717SB)	Detector Technology	a-Si Flat Panel Detector
	Purpose	General Radiography
	Images Size	17 × 17 in. (43 × 43 cm)
	Static Pixel Matrix	3072 x 3072 (9 M Pixels)
	Output Grayscale	14 bit
	Acquisition Time	3 s
	Spatial Resolution	Min. 3.5 line pair/mm
	Pixel Pitch	140 x 140 microns
	DICOM 3.0 Compatible, Print Management Service Class (SCU), Storage Service Class (SCU) and others	
X-ray Tube (Toshiba E7843X)	Tube Focus	0.6 mm/1.2 mm
	Max Output Voltage	150 kV
	Heat Capacity	150 kHU
50KW High Frequency Generator	Power Requirement	380 V with 3 phases wires
	Maximum Output Power	50 kW
	Output Voltage Range	40-150 kVp
	Output mA Range	10-630 mA
	mAs Range	0.4-630 mAs
	With AEC (IDC)	
	Range of Load Time	0.002 s - 6.3 s
	Power Frequency	50 HZ
UC Arm	One Key Positioning for Chest-Exam /Table-Exam by Electric Control.	
	FID	465～1700 mm
	SID	1000～1800 mm
	Rotation Range of UC arm	-30°-120°
	Rotation Range of Detector	-30°-30°
	High Voltage Cables	Length: 8 m
	Radiographic Table Size	2000 mm x 650 mm x 760 mm
Grid	Grid Density	40 lp/cm
	Grid Ratio	10:01
	Focus	100 cm
Collimator	Auto-close time	30 s
	Brightness	≥160 lux (100 cm)
Workstation	CPU	Dual-Core 3.0 GB
	RAM	2 GB
	Communication Network Card	1000 m
	Hard Disk	500 GB
	Display	1920*1200 Display
	CD/DVD recording/burning	
Software	Imaging Part Indicator, Tissue Equalization, Filter Correction, Grayscale Transform, Window/Level Adjustment, Gamma Correction, ROI Equalization Black/White Reversion, Image Segmentation, Mark, Enhancement, Smoothing Sharpening, Compression, Magnification, Graphic Text Report, Printing Film Printing, Supports Standard DICOM 3.0 Laser Film Printer DICOM 3.0 Format, Compatible to Transfer to PACS	

Service is Powered by: BPL SmartUPKeep Service

Service Helpline
1800-425-2355

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BPL DP580

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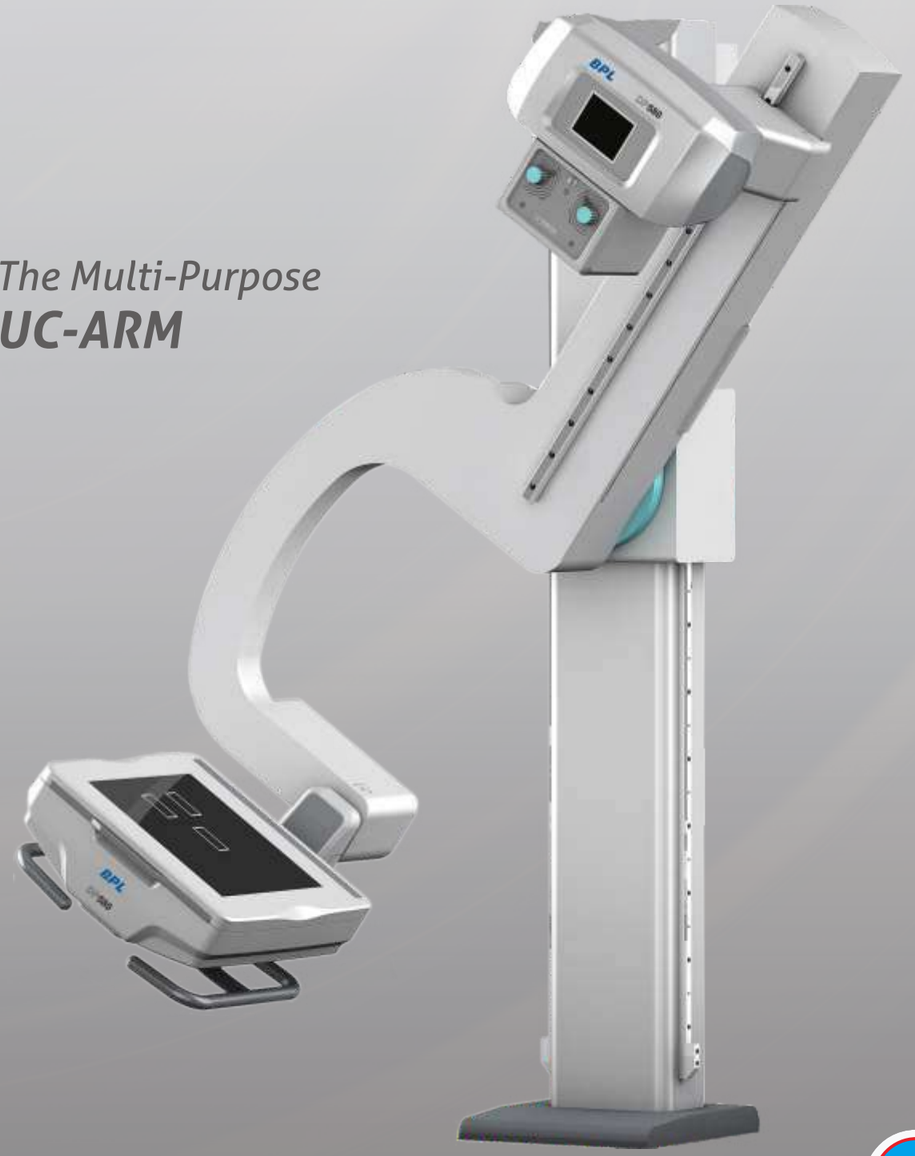
The Multi-Purpose
UC-ARM



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UC-ARM DR System with FPD (Flat Panel Detector)

BPL DP580 system has been designed as a world-class direct digital flat panel technology and can be used in emergency, trauma/casualty departments and for all general radiology applications.

The UC-Arm design maintains constant alignment between the X-ray and flat panel detector, regardless of UC-Arm tilt positions or image receptor angle. Its extraordinary flexibility makes the system ideal for all patients in standing, sitting or lying position, including those who are disabled or physically restricted.

All system movements are motorized and the FPD detector rotates within a range of +/- 45° to allow for various studies.

Advantages:

- Quick image display, immediate control availability
- Excellent image quality, 9 million Pixels
- High detector sensitivity, exceptional efficiency
- Excellent diagnostic ability – better reporting than conventional analog films with help of the usual post-processing procedures (Windowing, magnification, measures, filters. Etc.)
- Environment friendly – no chemicals, low patient dose.

Excellent Image

BPL DP580 provides a **variable Source to Image Distance (SID)** of 100 to 180cm to accommodate a wide range of radiographic studies. The X-ray tube can be easily moved from 100 to 180cm at any UC-Arm angle position, by using the operator hand control. User-friendly console and constant alignment of patient table and digital FPD detector ensures efficient and accurate diagnosis. The BPL DP580 UC-Arm design accommodates cross-table for easy patient positioning. The intelligent anti-collision system (two laser beams + pressure sensor + bumper detector) makes the patient positioning quick, easy and safe.