

Technical Specification

Mobile Digital X-ray System Beatle-06P



Mobile X-ray for General Purpose

THAI MEDICAL TRADING CO.,LTD

Address : 67/17 Moo.1 Mahasawat, Phutthamonthon

Nakhonpathom 73170 Thailand

Tel: +66 81-3451047

Web: www.tmt-med.com

Web: www.thaimedicaltrading.co.th

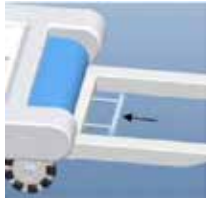
E-mail : infinity_bio@hotmail.com



FEATURES

1. Compact Body

- Thanks to its small size, it can go through narrow aisle and change direction on the spot easily.
- The unit is with fordable counter balanced arm, which provides flexibility for both working in confined spaces



2. Good Forward Visibility

- The tube support arm is capable of being folded into a more compact shape. Low height is to enhance forward visibility during travel, making it able to avoid pedestrians, collision in front.

3. Stress-free Ward Round.

- With light weight, it is easy to set it in motion with a light push, making the transport stress-free.
- Anti-backpedal makes the device pass through obstacles smoothly.
- there are two brakes for parking, transport and emergency stop.

4. Suitable for Wide Range of Patients in Different Application Scenario

- It is suitable for adults, infants, Children, trauma patients, elder patients in radiology department, emergency departments, Intensive care units, cardiac care units, operating rooms, orthopedics, pediatrics, hospital rooms, clinic and ambulances.



5. Wireless Features

- In addition to wired hand switch, a wireless hand switch is also available to perform exposures remotely for protection of operator.



6. Smart Design

- Self-diagnostic program with error indicators.
- Automatic tube overload protection
- Anatomically programmed radiography function is available

7. Designed for 24/7 Availability

- The unit contains a battery and charging system.
- x-ray exposure can be made with battery or while charging

8. Dual Touch Screen



- Front 8" touch screen to display and set parameters, such as kV, mA, mAs and exposure time
- 15.6" built-in touch screen workstation for all operation include image preview.



9. High Performance Flat Panel Detector

- Preview image is able to be displayed in just few seconds.
- Two rechargeable batteries, ensure the continuous work ability.



SPECIFICATIONS

High voltage X-ray generator

Standard output power	:	5.6 kW (56 mA, 100 kV)
Maximum out put power	:	5.6 kW
High frequency generator	:	100 kHz
Tube current:	:	10-100 mA
Tube voltage	:	40-125 kV, 1 kV steps
mAs range	:	0.1 - 200 mAs

X-ray tube

Anode types:	:	Fixed anode
Focal spots	:	0.6 mm/1.8 mm
Max. tube voltage	:	125 kV
Anode angle	:	15°
Anode heat capacity	:	42 kHU

Collimator

Type of lamp	:	LED
Max. field	:	43 cm x 43 cm at SID 1 m
Illumination period	:	30 seconds, with automatic off timer
Shape of field	:	Rectangular
Type	:	Multi-leaf Manually adjustable
Collimator is with retractable measuring ruler for SID measure		

Mechanical Parameters

Tube support arm	:	Folding arm
Arm Folding range	:	-90° to +50°
Rotation of monoblock	:	±90°
Max. tube focus height	:	2000mm
Machine driving method	:	Manual
Machine weight	:	90 kg
Size after folding	:	678 mm x 605mm x 1450 mm

Control panel

Screen size	:	8"
Type	:	Touch control

Power supply

Power supply	: Internal battery
Battery capacity:	: More than 100 exposures
Supply voltage	: Single-phase : 110/220 (± 10%) VAC
Supply frequency	: 50/60Hz

Wireless plat panel detector

Effective imaging area	: 17" x 14"
Scintillator	: CsI
Pixel size:	: 140 μm
Matrix size	: 3072 x 2560 pixels

Built-in workstation

Touch screen size	: 15.6"
CPU frequency	: CORE i3
Pixel size:	: 4GB
Matrix size	: 500 GB
Operation system	: Windows 64 bit

Workstation Software

Patient registration	Patient data entry, Emergency entry is available
Examination	Set exposure parameters, Display actual exposure factors
Image view	Image will be ready to display after exposure
Data management	Delete, archive data
Image processing	Distance and angle measurement, Adjust brightness and sharpness, window level, L/R marker, noise reduction, zoom, rotation, flip, move, Show annotation etc.
Image output	Sending image data to an imager, Allows export of image via DVD/USB
Self diagnosis	Monitoring machine status, Self-diagnostic program with error indicators.
Compatibility	Compliant with DICOM 3.0, Ready and compatible for HIS, RIS and PACS integration