



# MAGNUS Dx

RETROFIT - MOBILE DIGITAL RADIOGRAPHY SOLUTION



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INTRODUCING

# MAGNUS Dx

RETROFIT - MOBILE DIGITAL RADIOGRAPHY SOLUTION

A cutting edge mobile digital radiography solution designed for high-frequency X-ray imaging.

Built on the robust Vertex Vega Series platform, this compact and lightweight machine excels in environments where mobility and immediate imaging are crucial, such as trauma cases and bedside X-rays in hospital wards and ICUs.

Its streamlined design allows for effortless transport through elevators, ensuring that healthcare professionals can provide timely and efficient care wherever it's needed.

Upgrade your medical imaging capabilities with the **MAGNUS MOBILE DR** and experience the perfect blend of convenience and performance.

- **Anti-theft DR panel locking Facility**
- **High frequency generator output.**
- **Inbuilt AVR (180–280V AC input)**
- **HMI interface with APR.**
- **Error detection (kv, mA & over load)**
- **Smart 14.5" capacitive touch screen panel for better image processing.**





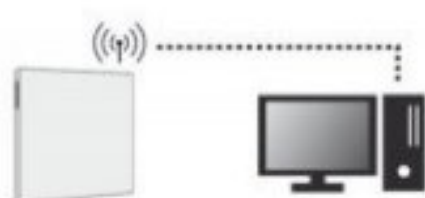
## FEATURES OF FLAT PANEL DETECTOR

| PARAMETER  | SPECIFIC VALUE   |
|--|--|
| Dimension (ISO 4090)   | 460 x 460 x 15 mm (17" x 17")                                  |
| Sensor array   | a-Si photodiode  |
| Scintillator   | CsI / GOS  |
| Resolution   | 3072 x3072   |
| Pixel size   | 140 um   |
| Grayscale  | 16 bit   |
| Wifi   | 802.11ac / 2 antennas / 2s scan to display / AP mode           |
| Drop height  | 70 cm  |
| Housing material   | Mg-Al alloy  |
| Weight (battery included)  | 3.2 kg   |
| Waterproof   | IPX6   |
| Durability (Face load / Point load)  | 300 / 120kg  |
| Battery autonomy   | 8 hours *  |
| Trigger mode   | AED mode   |
| Log file   | Log file, sensor data and other calibration data are available |
| Accessories  | Battery / Magnetic connector cable with ethernet and power     |
| Operation temperature / Humidity   | 10 ~ 35 °C / 15 ~ 80%  |
| *In SYNC mode, user can capture more than 1,000 images at every 30 seconds and lasting over 8 hours.                                   |  |
| *The specifications described above are based on a full battery charge and may vary depending on system configuration and environment. |  |
| *Storage Capacity upto 200 images.   |  |
| **Stitching Software & Hardware – Optional   |  |

## DR FLAT PANEL OVERVIEW



## ACCESS POINT MODE



The wireless system has the capability to operate in access mode, when the environment calls for a direct sensor to computer wireless connection.

\*Wired & Wireless, both options available

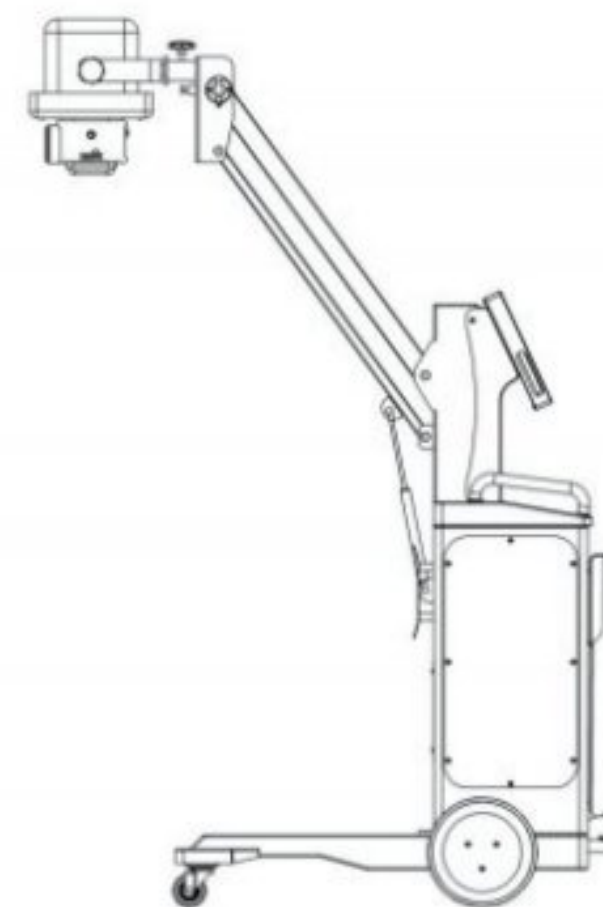
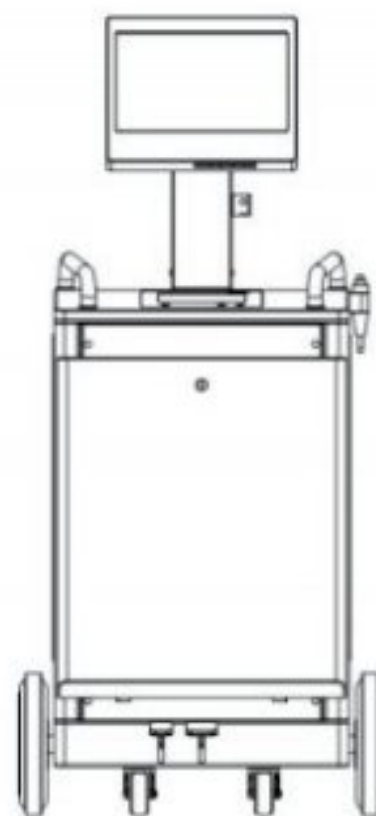
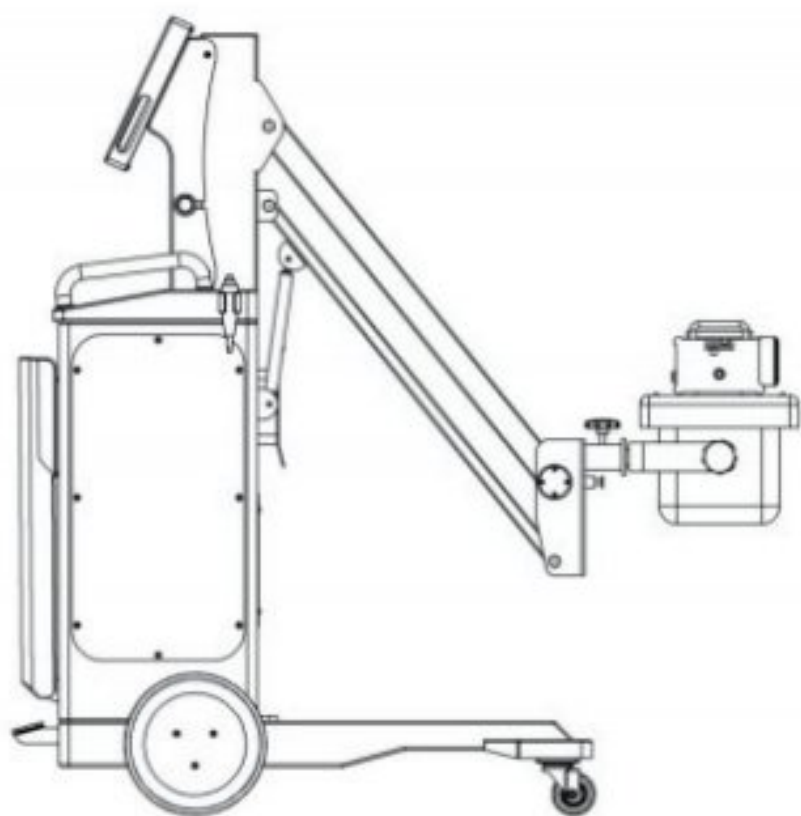
## TRANSFER IN A FLASH



The detector features a specialised antenna design maximising the bandwidth that 802.11ac allows, which results in raw image transfer speed within two seconds.



| TECHNICAL PARAMETERS |                             |            |                |
|----------------------|-----------------------------|------------|----------------|
| MODEL                | VEGA-4.0                    | VEGA-7.0   | INX-100        |
| Series               | Magnus-DX                   |            |                |
| X-Ray Generator      | High Frequency              |            | Line Frequency |
| KW Rating            | 4                           | 7          | 8              |
| Max. kV              | 110                         | 120        | 100            |
| mA                   | 100                         | 150        | 100            |
| Focal Spot           | 2.0mm                       | 2.0 mm     | 2.8mm          |
| Tube Anode           | Stationary                  | Stationary | Stationary     |
| Power Requirement    | 1 $\Phi$ /230 VAC $\pm$ 10% |            |                |
|                      | 5KVA                        | 8.75KVA    | 10KVA          |



## INNOVATION MEDITECH PVT. LTD.

**Toll Free No :** 1800 2026 276

**Phone No :** +91-98110 58389, 88008 99664

**Address :** B-6, Sector-88, Noida,  
Gautam Budha Nagar - 201305, (UP), INDIA

**E-Mail :** info@innovationmeditech.com

**Website :** www.innovationmeditech.com

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