

# Mano4343T

## Digital Flat Panel Detector

### Product Specifications



## 1. SPECIFICATION

| NO. | Specification       | Performance                         |
|-----|---------------------|-------------------------------------|
| 1   | Detector Technology | Amorphous Silicon                   |
| 2   | Scintillator        | CsI                                 |
| 3   | Active Area         | 427mm x 427mm                       |
| 4   | Number of Pixels    | 3072 x 3072                         |
| 6   | Pixel Pitch         | 139 um                              |
| 7   | AD Conversion       | 16 bit                              |
| 8   | Trigger Mode        | AED/Software/Prep                   |
| 9   | Data Interface      | Wired (Compound Cable)              |
| 10  | Dimension           | 460mm*460mm*15mm                    |
| 11  | Weight              | 4.0kg(without cable)                |
| 12  | Cable               | Compound Cable:6M(Optional 10M\15M) |
| 13  | Weight Capacity     | 150kg uniformly                     |

### ● Product Description and Feature

Mano4343T is a typical wired 17x17 cassette-size flat panel detector designed for Human used digital radiography.

- Fast workflow
- More image details
- Excellent image quality
- Cassette-size flat panel detector

● **Image Performance**

| NO. | Specification                                 | Performance |
|-----|-----------------------------------------------|-------------|
| 1   | Sensitivity(LSB/uGy)                          | Typ.750     |
| 2   | Maximum Linear Dose(uGy)                      | Typ.75      |
| 3   | MTF @ 1.0 LP/mm (Typ.)                        | 70%         |
| 4   | MTF @ 2.0 LP/mm(Typ.)                         | 45%         |
| 5   | MTF @ 3.0 LP/mm(Typ.)                         | 26%         |
| 6   | DQE @ 0 LP/mm(2.5uGy@RQA5, Typ.)              | 65%         |
| 7   | DQE @ 1.0 LP/mm(2.5uGy@RQA5, Typ.)            | 47%         |
| 8   | DQE @ 2.0LP/mm(2.5uGy@RQA5, Typ.)             | 35%         |
| 9   | Limiting Resolution (without phantom or grid) | 3.6 lp/mm   |

● **Workflow**

| NO. | Specification            | Performance       |
|-----|--------------------------|-------------------|
| 1   | Trigger Mode             | AED/Software/Prep |
| 2   | Preview Acquisition Time | Typ.3s            |
| 3   | Full Image Time          | Typ.5s            |
| 4   | Cycle Time               | Typ.8s            |

**OPERATING**

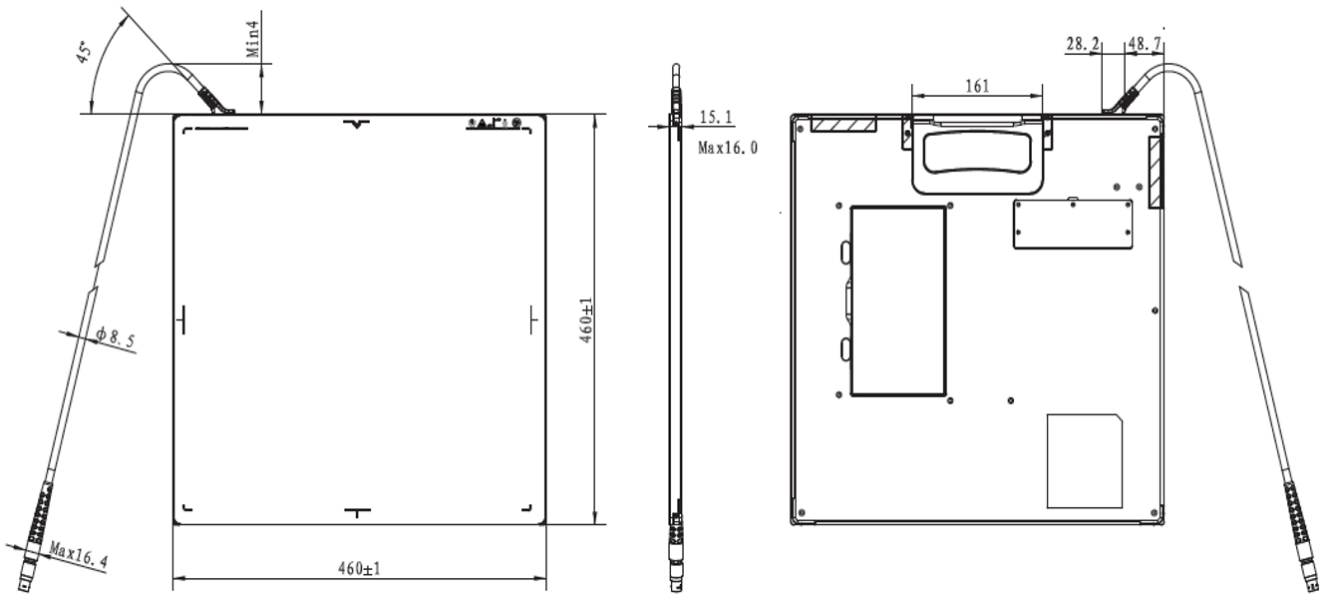
|                            |                               |
|----------------------------|-------------------------------|
| Ambient temperature range  | 5 °C to 35 °C (41 °F to 95°F) |
| Relative humidity range    | 30% to 80%, non-condensing    |
| Atmospheric pressure range | 700 hPa to 1060 hPa           |

**TRANSPORT AND STORAGE**

|                            |                                     |
|----------------------------|-------------------------------------|
| Ambient temperature range  | -10 °C to 55 °C (14 °F to 131 °F).. |
| Relative humidity range    | 10% to 90%, non-condensing.         |
| Atmospheric pressure range | 700 hPa to 1060 hPa                 |

2. DIMENSION

Unit: mm



**REVISION HISTORY**

| Revision Number | Date         | Description   |
|-----------------|--------------|---------------|
| 0               | MAR 29, 2019 | First Edition |
|                 |              |               |
|                 |              |               |



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