

PZ Medical Technology

Specializes in Flat Panel Detector

www.pzmedical.com

PZ MEDICAL
品臻影像

CONTENTS

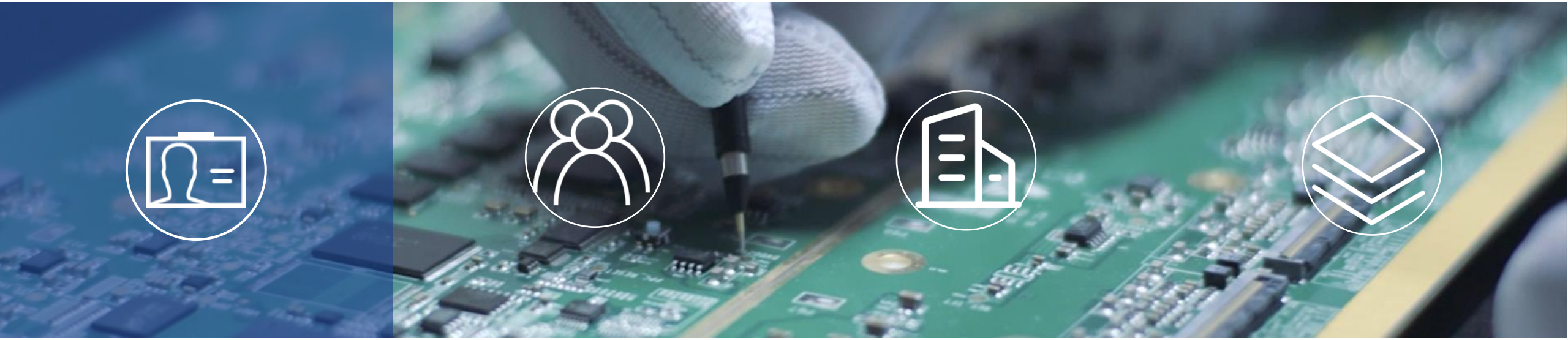


The Founder

The Team

The Company

The Products



The Founder

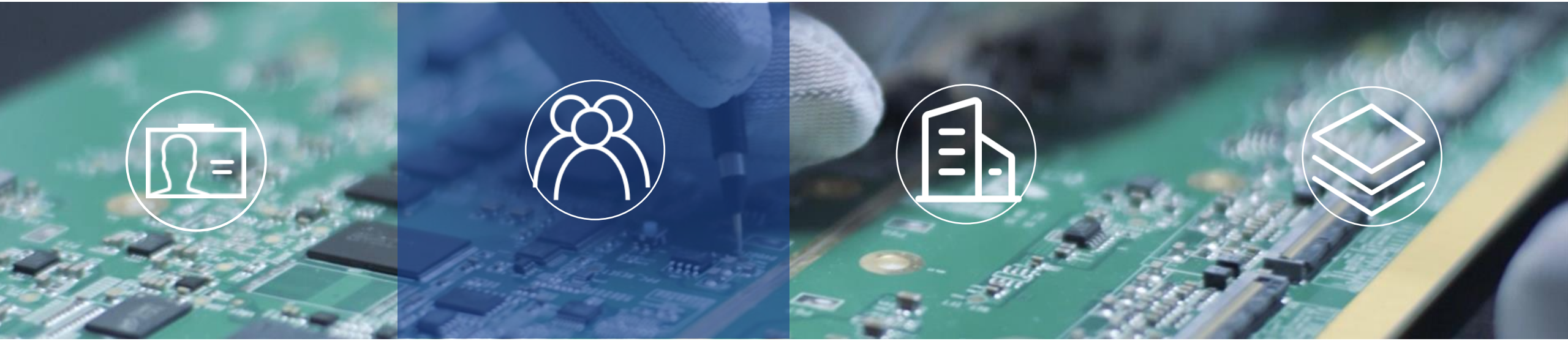
The Founder
Yixin, Li (Peter Li)

Li Yixin, special observer of medical X-ray equipment and technical appliance committee of the National Medical Electrical Standardization Technical Committee.

Li is a man who grew up watching mushroom cloud, aspired to become a physicist. He was successfully admitted to the Physics Department of Peking University. After his graduation with outstanding academic performance, Li went to study abroad in the University of Michigan with full scholarship. During this period, he was guided by his mentor Larry E.Antonuk, the founder of the global digital X-ray amorphous silicon flat panel detection technology.

After returning to his motherland, Li designed, mass-produced and sold the first amorphous silicon flat panel detector domestically, becoming the pioneer of this industry in China.





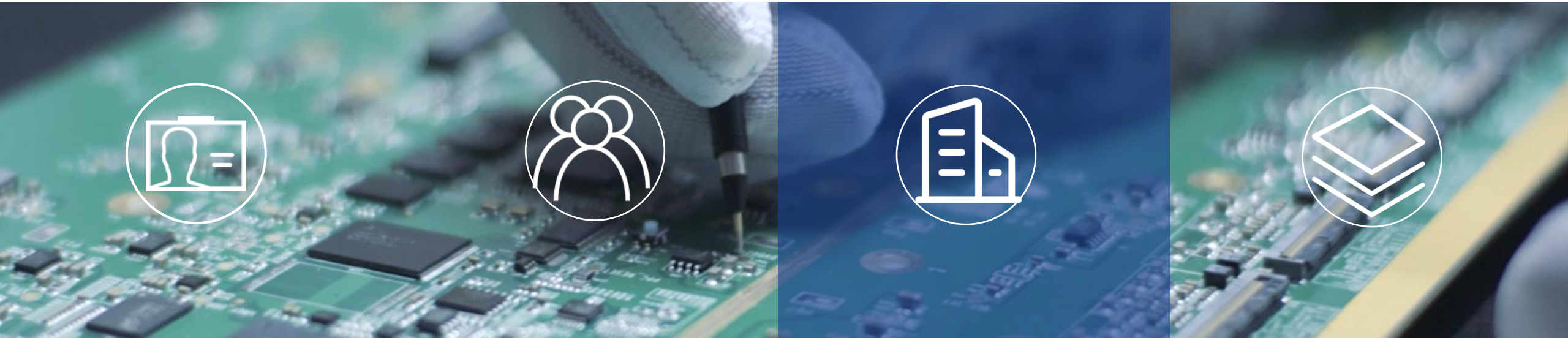
The Team

Our Team



PZM team consists of experts in microelectronics, radiation detection and digital imaging systems. Most of them graduate from top universities such as Peking, Wuhan and Xi'an Jiaotong Universities, etc. PZM products have received certifications of CFDA, CE and FDA. Every detector made by PZM is produced with the highest quality standard, and every installation all over the world is performed with great care.

This is PZM, young but experienced, energetic and focused, ready for the challenges and prosperity of tomorrow.

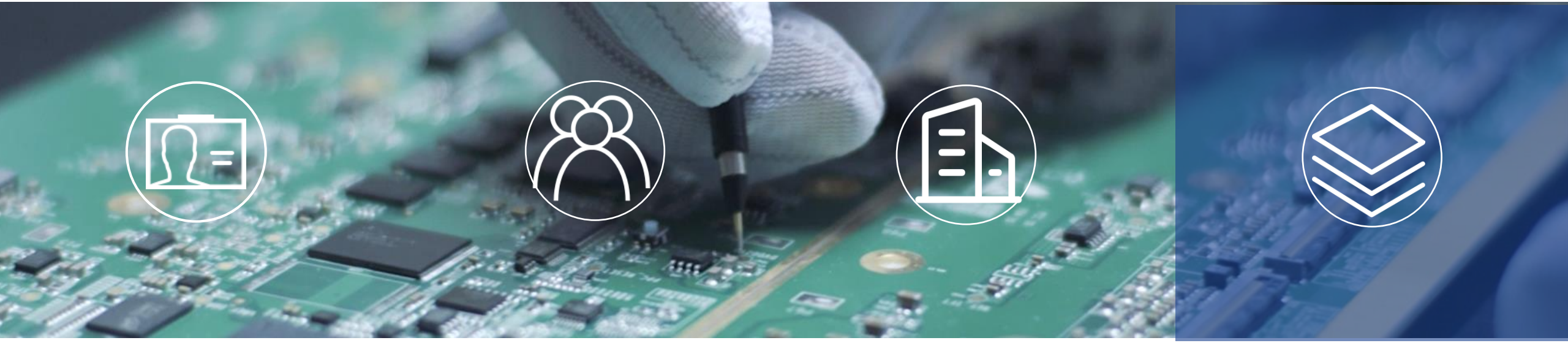


The Company

The Company



Founded in 2013, located in the Iron Triangle Technology Park of Putuo District, Shanghai PZ Medical specializes in the development and manufacturing of digital X-ray imaging equipment, and has become one of the most advanced Medical Device R&D centers in China.



The Products

Qualifications Features Applications Series

Qualifications



附件 1

中华人民共和国医疗器械注册证

注册证编号：沪械注准 20152310610

中华人民共和国国家知识产权局

200070

证书号第2033571号

发明专利证书

发明名称：X射线同步采集方法、系统和继电器箱

发明人：胡金星

专利号：ZL 2014 1 0153150.6

专利申请日：2014年04月16日

专利权人：上海品臻影像科技有限公司

授权公告日：2016年04月20日

本发明经过本局依照中华人民共和国专利法进行审查，决定授予专利权，颁发本证书并在专利登记簿上予以登记。专利权自授权公告之日起生效。

本专利的专利权期限为二十年，自申请日起算。专利权人应当依照专利法及其实施细则规定缴纳年费。本专利的年费应当在每年04月16日前缴纳。未按照规定缴纳年费的，专利权自应当缴纳年费期满之日起终止。

专利证书记载专利权登记时的法律状况。专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长
申长雨

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IEC 60601-1

TÜV SÜD China

TÜV SÜD Certification and Testing (China) Co., Ltd.
10 Huaxia Road(m), Dongting, Wuxi, Jiangsu, P.R.China
PC:214100 Tel: +86 510 88203737 Fax: +86 510 88203636

Product Service

TEST REPORT
IEC 60601-1-2
Medical Electrical Equipment
PART 1-2: General Requirements for Basic Safety and Essential Performance
Collateral Standard: Electromagnetic Compatibility

Report No. 70198161055O1 12.0

ZLG-BS-244.10.08

Product Service

EC Certificate

Full Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex II excluding (4)
(Devices in Class IIa, IIb or III)
No. G1 096173 0004 Rev. 00

Manufacturer: Shanghai PZ Medical Technology Co., Ltd.
5F, Building 13 No.2 Suide Road
200331 Shanghai
PEOPLE'S REPUBLIC OF CHINA

Product Category(ies): Flat Panel Detector

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex II. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class III devices an additional Annex II (4) certificate is mandatory. All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:G1 096173 0004 Rev. 00

Report No.: SH201055EXT01

Valid from: 2021-05-07
Valid until: 2024-05-26

Date, 2021-05-07

Christoph Dicks
Head of Certification/Notified Body

CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

- 20+ Critical Patents
- CFDA Registration (3543, 4343, A843 etc.)
- CE Registration (3543, 4343, 2925, A843)
- FDA Registration (3543, 4343, 2929, A843 etc.)
- National High-Tech Company Certificate

Features

- Slim, Light, Wireless
- Anti-Drop, Water Proof
- Longest Battery Hours

PORTABLE

- Universal Adaptable
- Flexible Timing
- Flexible Configuration

ADAPTABLE

- High Speed Wireless
- Immediate Imaging
- Enhanced Post-processing

FAST

Features

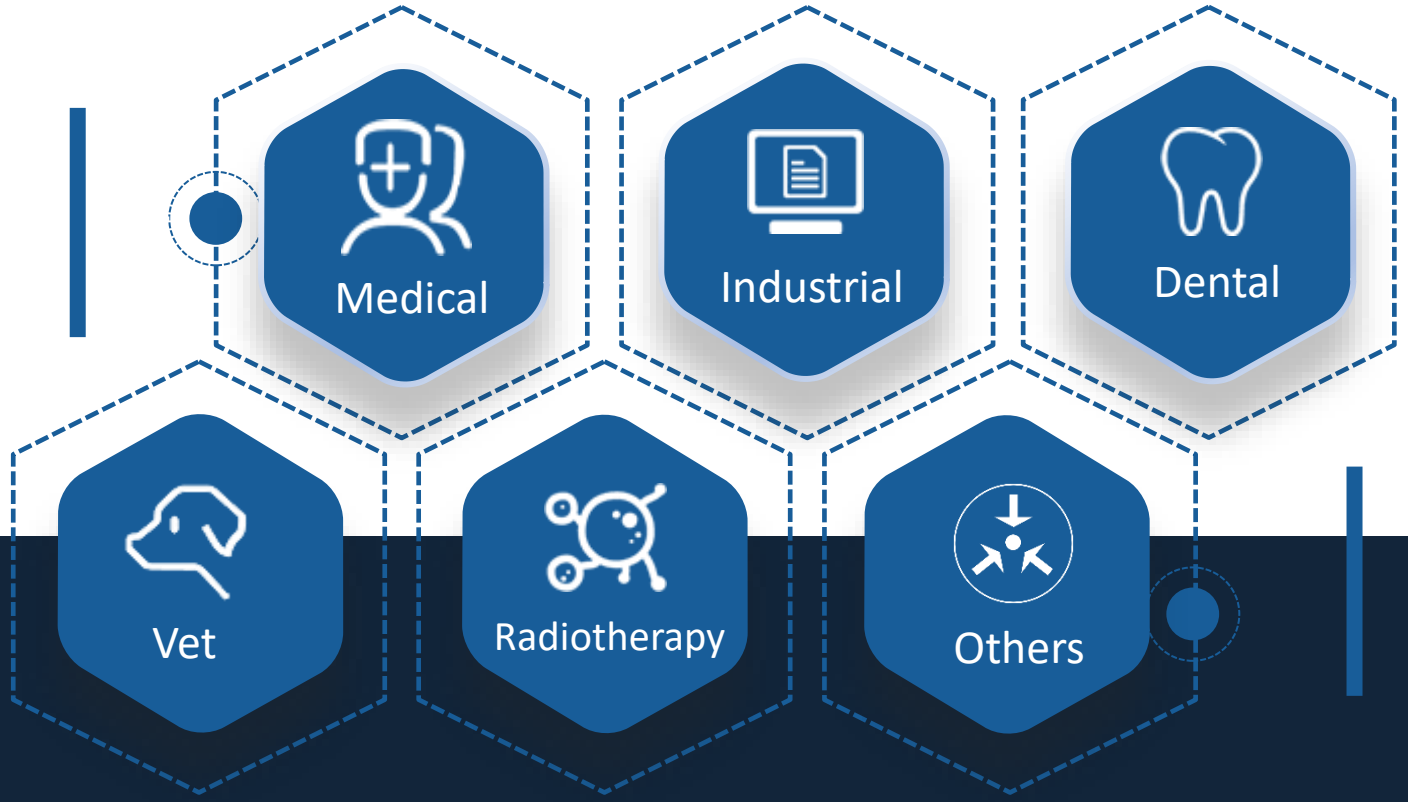
- Ultra Stable Communication
- Meets Medical Standard
- Works in Worst Industrial Env.
- Strict Design Verification
- False-proof Calibration
- Remote Support
- Own Patent
- High Speed/No Dose Loss
- Perfect Quality of Image

RELIABLE

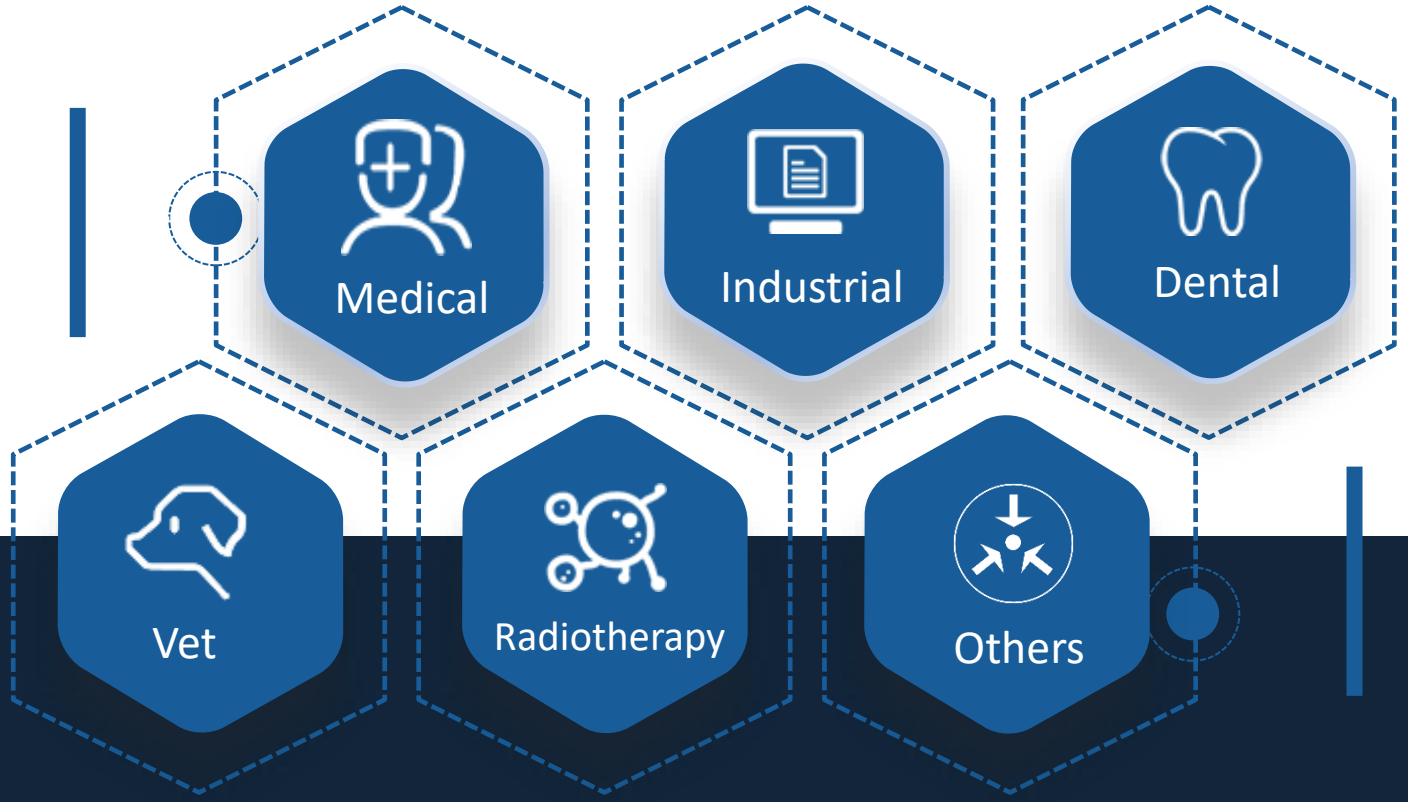
EASY

AED

Applications

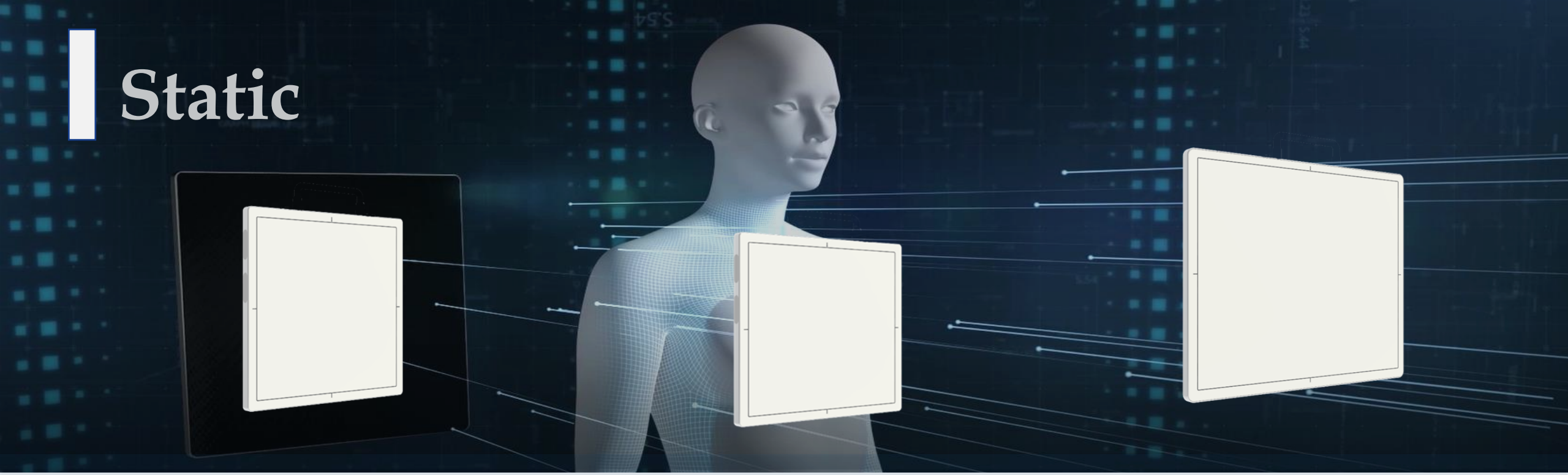


Applications



PZ PRODUCTS	TECHNOLOGY	IMAGE SIZE	PIXEL MATRIX	PIXEL SIZE	IMAGE AQUISITION TIME	DETECTOR HOUSING MATERIAL
3025Z Static	a-Si	25.09×28.67cm	2048×1792	139μm	1s(wired) 1-2s(wireless)	carbon, alloy
3025ZF Static	a-Si	25.09×30.5cm	3108×3956	77μm		
3543Z Static	a-Si	35×43cm	2560×3072	139μm	1s(wired) 2-3s(wireless)	carbon, PC+ABS
3543ZF Static	a-Si	35×42.6cm	3534×4302	99μm		carbon, alloy
4343Z Static	a-Si	43×43cm	3072×3072	139μm		carbon, PC+ABS
4343ZF Static	a-Si	42.6×42.6cm	4302×4302	99μm		carbon, alloy
A843B Static	a-Si	108×43cm	7680×3072	139μm	3s(wired) 5s(wireless)	
8643 Static	a-Si	86×43cm	6173×3072	139μm		
6543 Static	a-Si	64.5×42.7cm	4608×3072	139μm		

Static



3025Z Static

·Image Size: 25.09×28.67cm
·Pixel Matrix: 2048×1792
·Pixel Pitch: 139μm
·Weight: 1.6kg (wired)
1.9kg (wireless)

3025ZF Static

·Image Size: 23.9×30.5cm
·Pixel Matrix: 3108×3956
·Pixel Pitch: 77μm
·Weight: 1.6kg(wired)
1.9kg(wireless)

3543Z Static

·Image Size: 35×43cm
·Pixel Matrix: 2560×3072
·Pixel Pitch: 139μm
·Weight: 2.6kg (wired)
3.0kg (wireless)

Static



3543ZF Static

·Image Size： 35×42.6cm
·Pixel Matrix： 3534×4302
·Pixel Pitch： 99μm
·Weight： 2.3kg （wired）
2.6kg （wireless）

4343Z Static

·Image Size： 43×43cm
·Pixel Matrix： 3072×3072
·Pixel Pitch： 139μm
·Weight： 3.2kg (wired)
3.7kg (wireless)

4343ZF Static

·Image Size： 42.6×42.6cm
·Pixel Matrix： 4302×4302
·Pixel Pitch： 99μm
·Weight： 2.6kg （wired）
2.9kg （wireless）

Static



6543 Static

·Image Size： 64.5×42.7cm
·Pixel Matrix： 4608×3072
·Pixel Pitch： 139μm

8643 Static

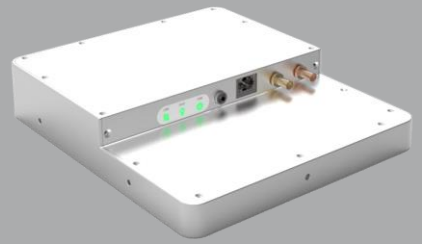
·Image Size： 86×43cm
·Pixel Matrix： 6173×3072
·Pixel Pitch： 139μm

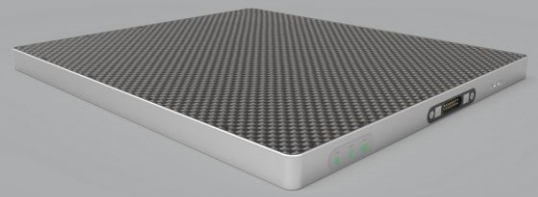
A843B Static

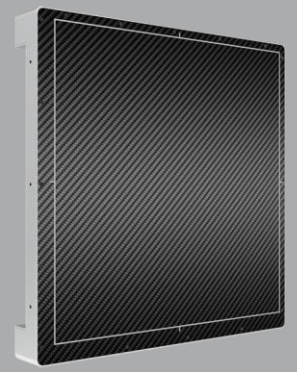
·Image Size： 108×43cm
·Pixel Matrix： 7680×3072
·Pixel Pitch： 139μm
·Weight： 10kg

PZ PRODUCTS	TECHNOLOGY	IMAGE SIZE	PIXEL MATRIX	PIXEL SIZE	FRAME RATE(1×1)	FRAME RATE(2×2)
1613D	a-Si	16×12.8cm	1280×1024	125μm	30fps	60fps
3025Z Dynamic	a-Si	25.09×28.67cm	2048×1792	139μm	10fps	30fps
3030Z Dynamic	a-Si	29×29cm	2048×2048	139μm	10fps	30fps
4343Z Dynamic	a-Si/IGZO	43×43cm	3072×3072	139μm	4fps	15fps
4343EGH	a-Si	43×43cm	3072×3072	140μm	4fps	15fps
6543Z Dynamic	a-Si/IGZO	64.5×42.7cm	4608×3072	139μm	3fps	12fps

Dynamic







1613D

·Image Size： 16×12.8cm
·Pixel Matrix: 1280×1024
·Pixel Pitch： 125μm
·Weight： 1.25±0.1kg

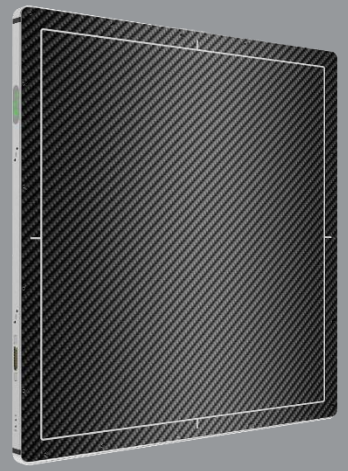
3025Z Dynamic

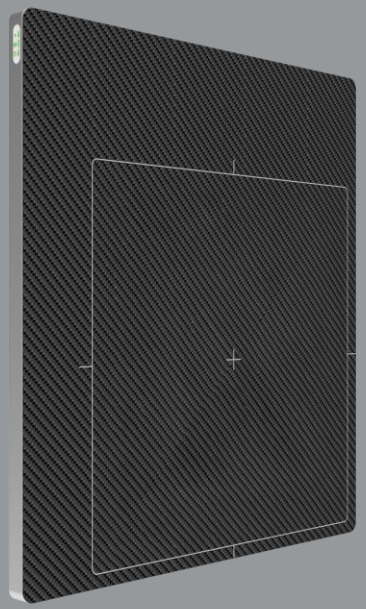
·Image Size： 25×29cm
·Pixel Size： 2048×1792
·Pixel Pitch： 139μm
·Weight： 2±0.3kg

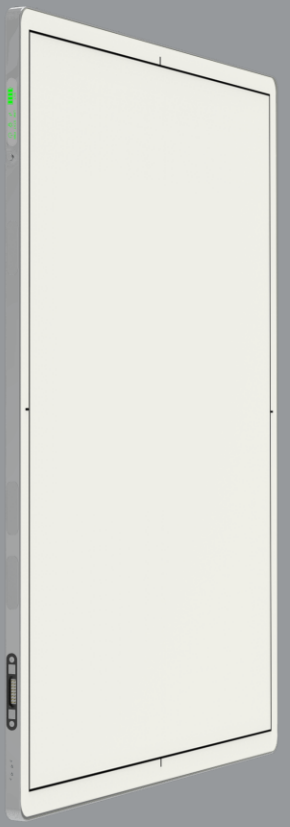
3030Z Dynamic

·Image Size： 29×29cm
·Pixel Size： 2048×2048
·Pixel Pitch： 139μm
·Weight： 2.7kg

Dynamic







4343Z Dynamic

·Image Size： 43×43cm
·Pixel Size： 3072×3072
·Pixel Pitch： 139μm
·Weight： 4.5±0.5kg

4343EGH

·Image Size： 43×43cm
·Pixel Matrix: 3072×3072
·Pixel Pitch： 140μm
·Weight： 10±0.5kg

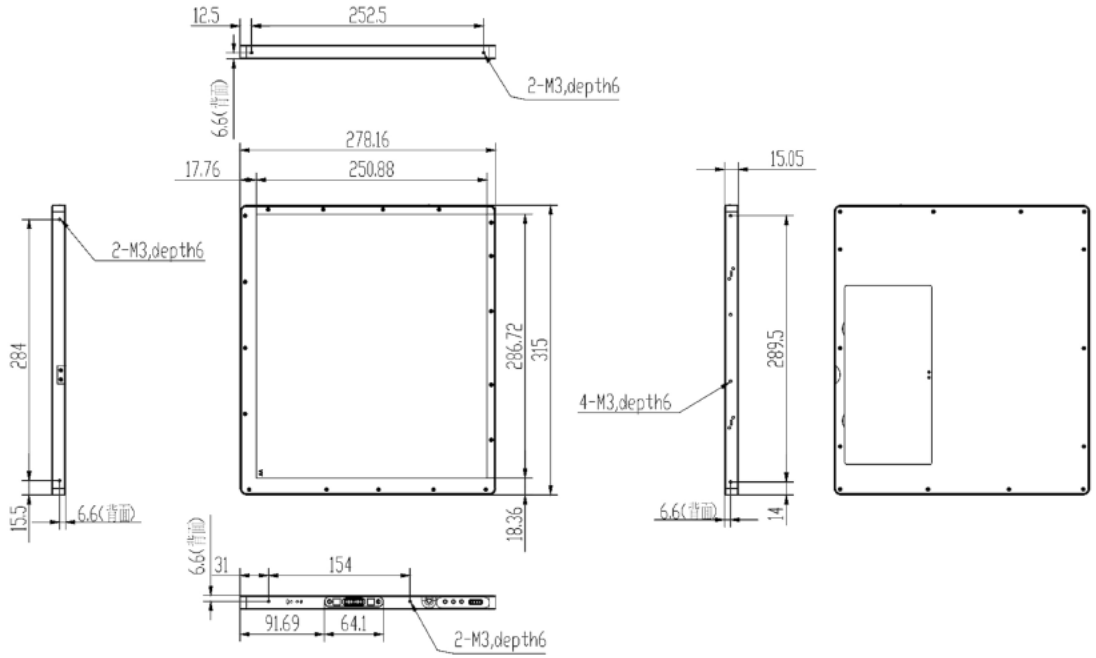
6543 Dynamic

·Image Size： 64.5×42.7cm
·Pixel Matrix： 4608×3072
·Pixel Pitch： 139μm

3025Z Static

- . Detector Type: a-Si
- · Scintillator: CsI/GOS
- · Pixel Size: 25.09×28.67cm
- · Pixel Matrix: 2048×1792
- · Pixel Pitch: 139μm
- · Image Acquisition Time: 1s（wired）/1～2s（wireless）
- · Weight: 1.6kg（wired）/1.9kg（wireless）



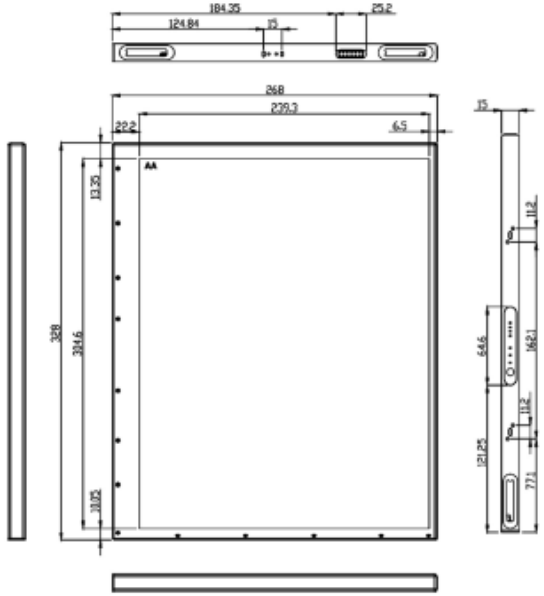


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3025ZF



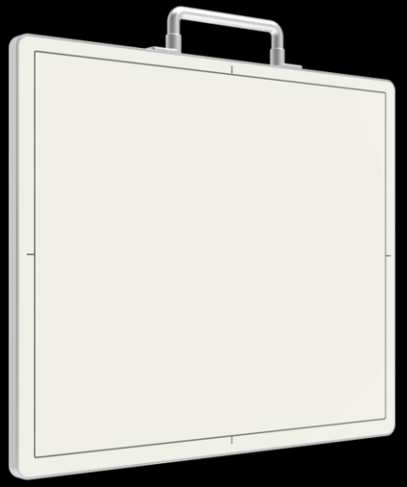
- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 23.9cm×30.5cm
- Pixel Matrix: 3108×3956
- Pixel Pitch: 77μm
- Image Acquisition time: 1s（wired）/1～2s（wireless）
- Weight: 1.6kg（wired）/1.9kg（wireless）

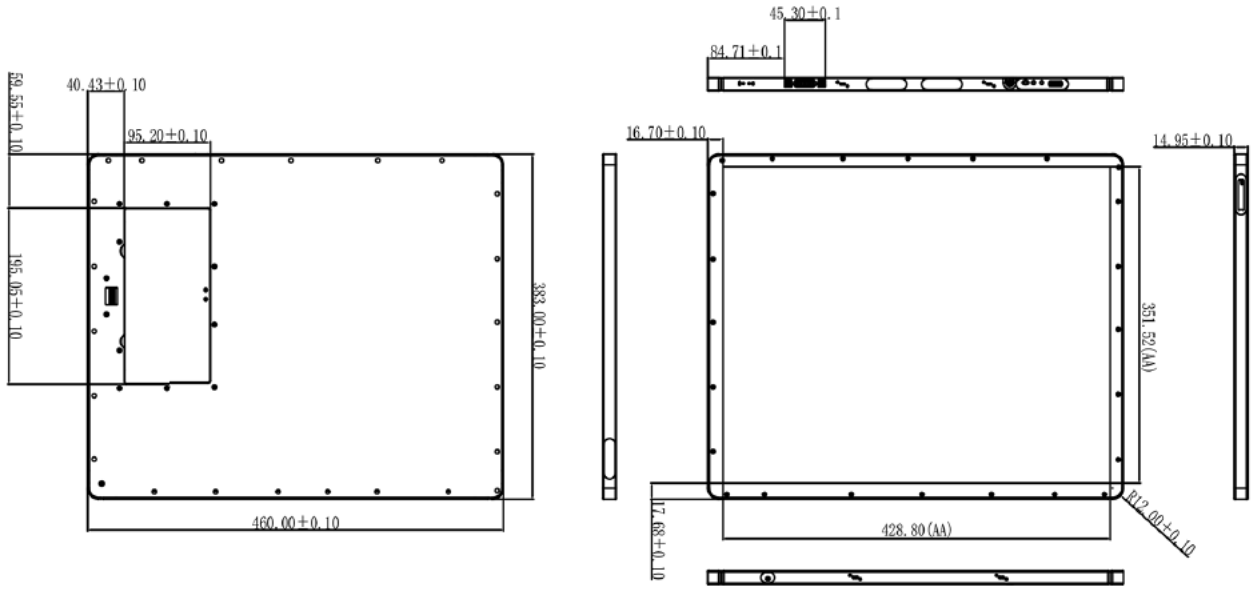


PZ MEDICAL
品臻影像

3543Z Static

- Detector Type: a-Si
- Scintillator: CsI/GOS
- Pixel Size: 35cm×43cm
- Pixel Matrix: 2560×3072
- Pixel Pitch: 139μm
- Image acquisition time: 1s（wired）/2.5s（wireless）
- Weight: 2.6kg（wired）/3.0kg（wireless）



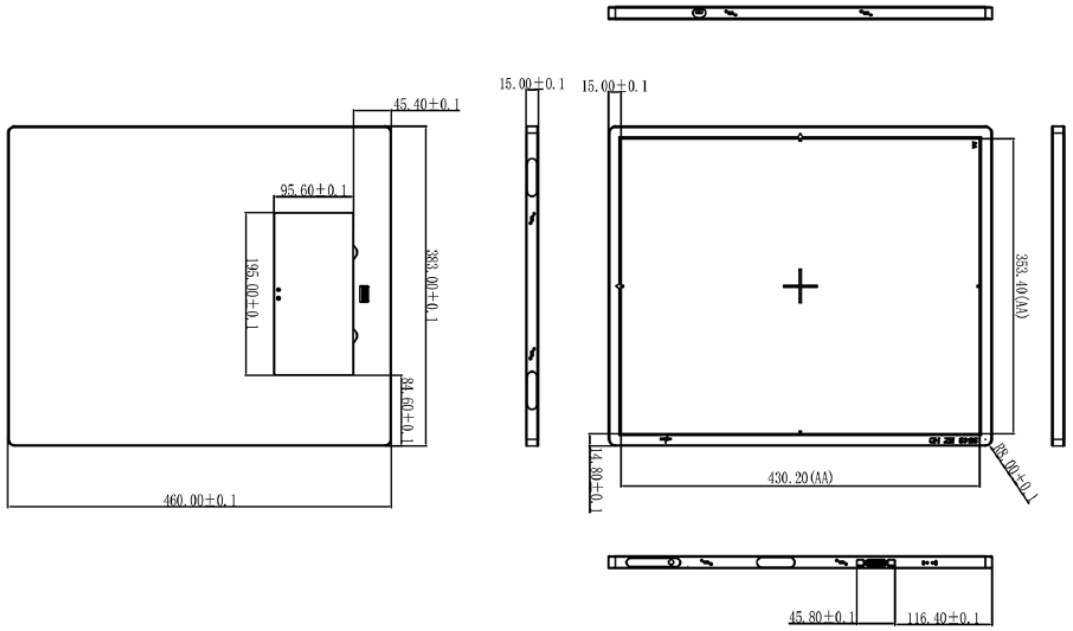


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3543ZF Static



- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 35cm×42.6cm
- Pixel Matrix: 3534×4302
- Pixel Pitch: 99μm
- Image Acquisition Time: 1s（wired）/2.5s（wireless）
- Weight: 2.3kg（wired）/2.6kg（wireless）

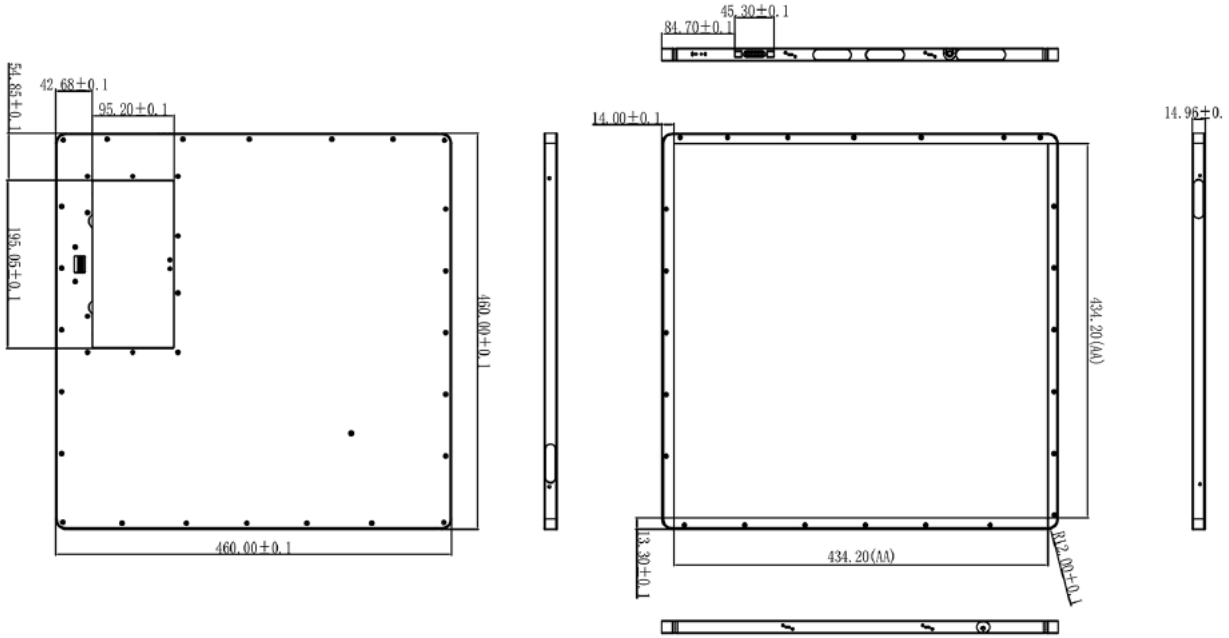


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4343Z Static

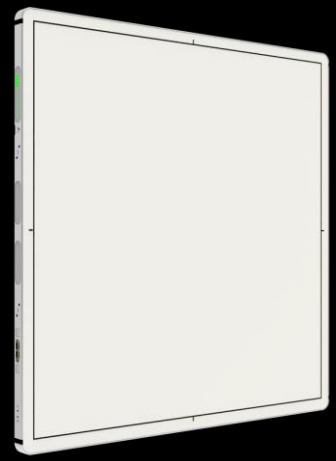
- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 43cm×43cm
- Pixel Matrix: 3072×3072
- Pixel Pitch: 139μm
- Image Acquisition Time: 1s（wired）/2～3s（wireless）
- Weight: 3.2kg（wired）/3.7kg（wireless）



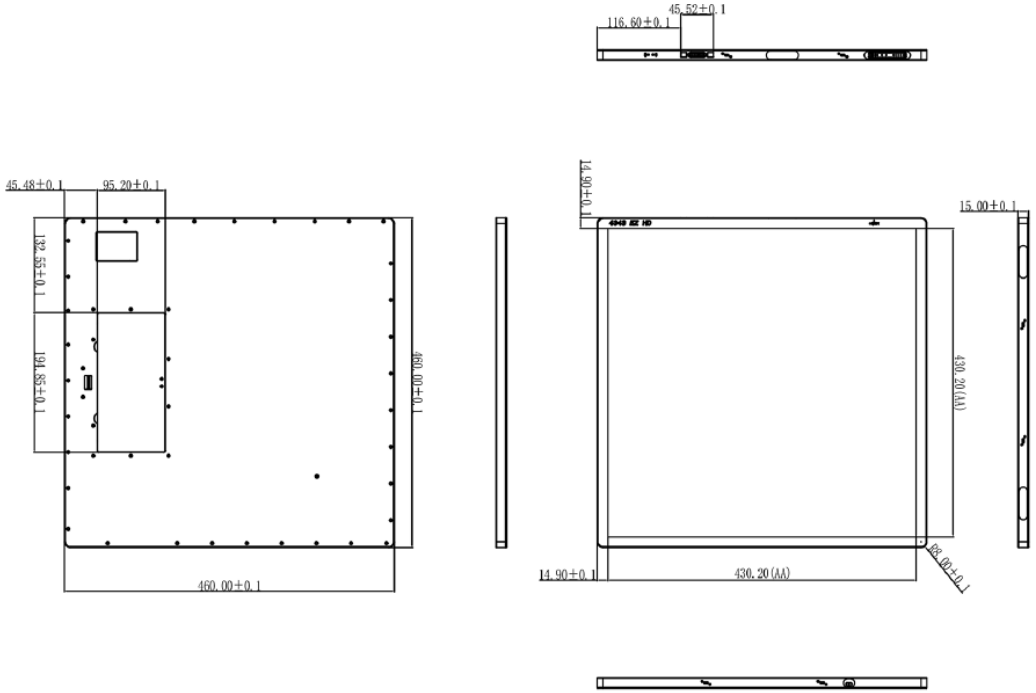


PZ MEDICAL
品臻影像

4343ZF Static



- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 42.6cm×42.6cm
- Pixel Matrix: 4302×4302
- Pixel Pitch: 99μm
- Image Acquisition Time: 1s（wired）/2～3s（wireless）
- Weight: 2.6kg（wired）/2.9kg（wireless）

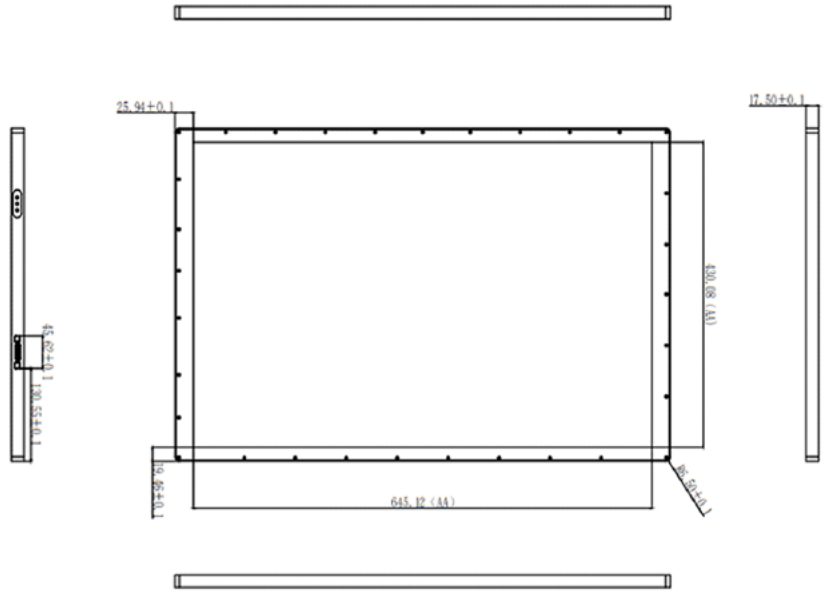


PZ MEDICAL
品臻影像

6543 Static

- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 64.5cm×42.7cm
- Pixel Matrix: 4608×3072
- Pixel Pitch: 139μm
- Image Acquisition Time: 1s（wired）/2～3s（wireless）

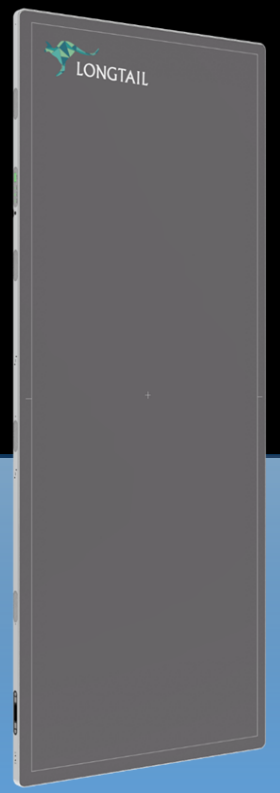


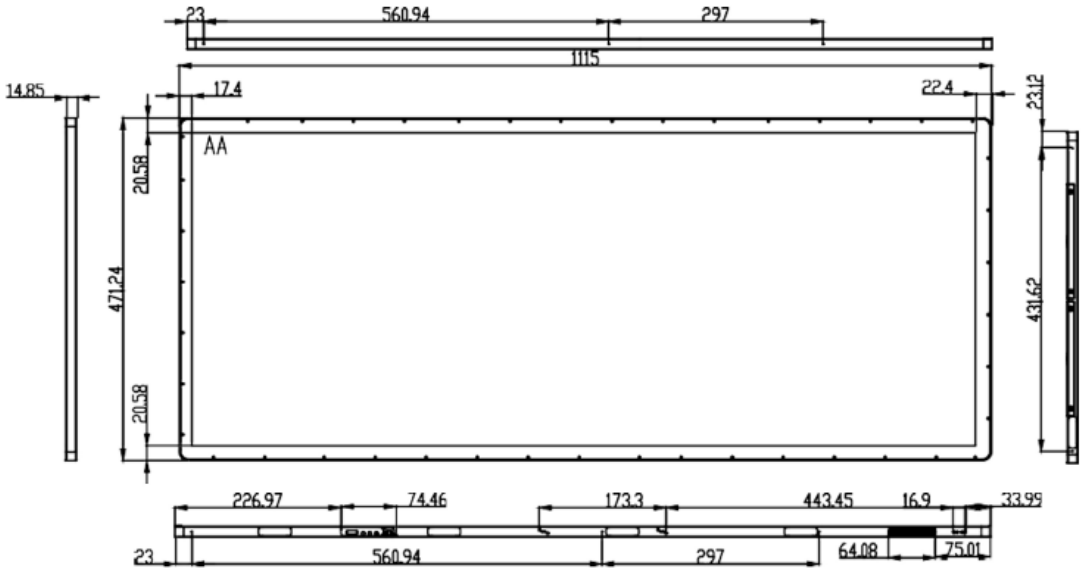


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A843B Static

- Detector Type: a-Si
- Scintillator: CsI/GOS
- Pixel Size: 108cm×43cm
- Pixel Matrix: 7680×3072
- Pixel Pitch: 139μm
- Image Acquisition Time: 3s（wired）/5s（wireless）
- Weight: 10kg





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LONGTAIL


5 Moments for
HAND HYGIENE
ECOLAB
SIEMENS
LONGTAIL


LONGTAIL

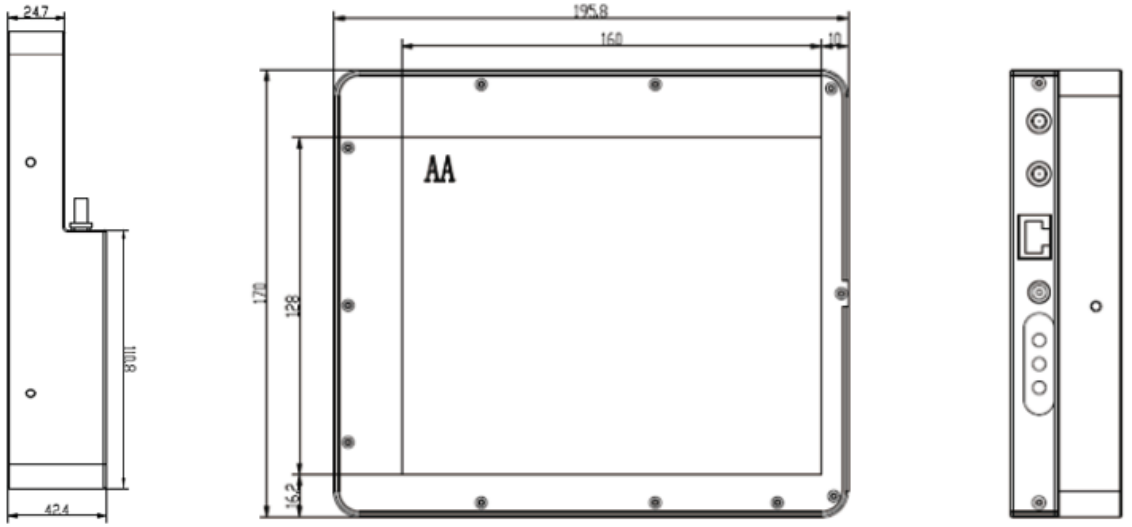

How to handrub?
How to handwash?
SIEMENS
LONGTAIL


acer

1613D

- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 16cm×12.8cm
- Pixel Matrix: 1280×1024
- Pixel Pitch: 125μm
- Frame rate (fps, 1x1): 30fps
- Frame rate (fps, 2x2): 60fps
- Weight: 1.25±0.1kg

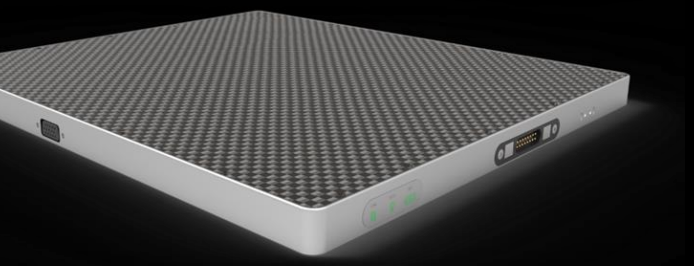


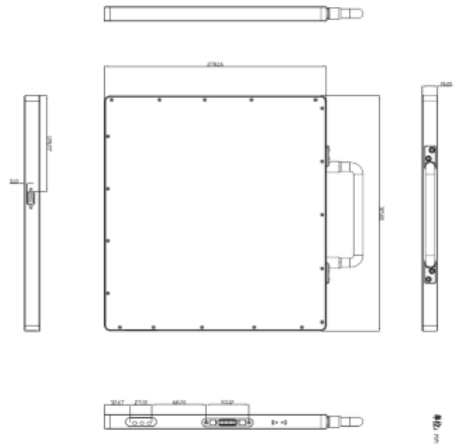


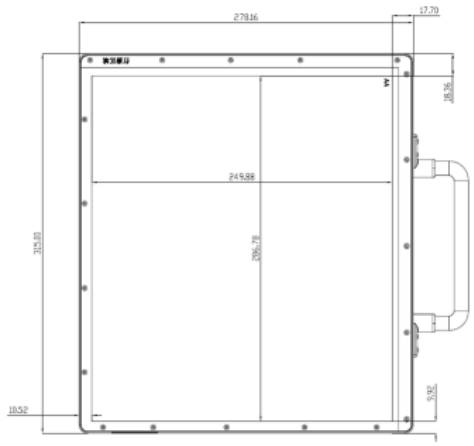
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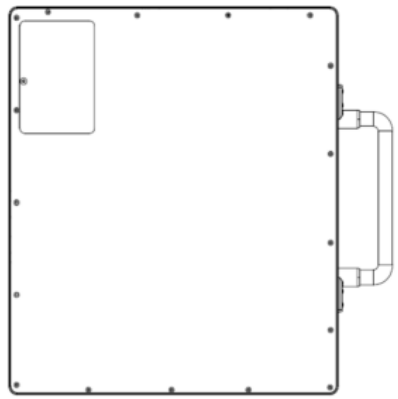
3025Z Dynamic

- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 25cm×29cm
- Pixel Matrix: 2048×1792
- Pixel Pitch: 139μm
- Frame rate (fps, 1x1): 10fps
- Frame rate (fps, 2x2): 30fps
- Weight: 2±0.3kg





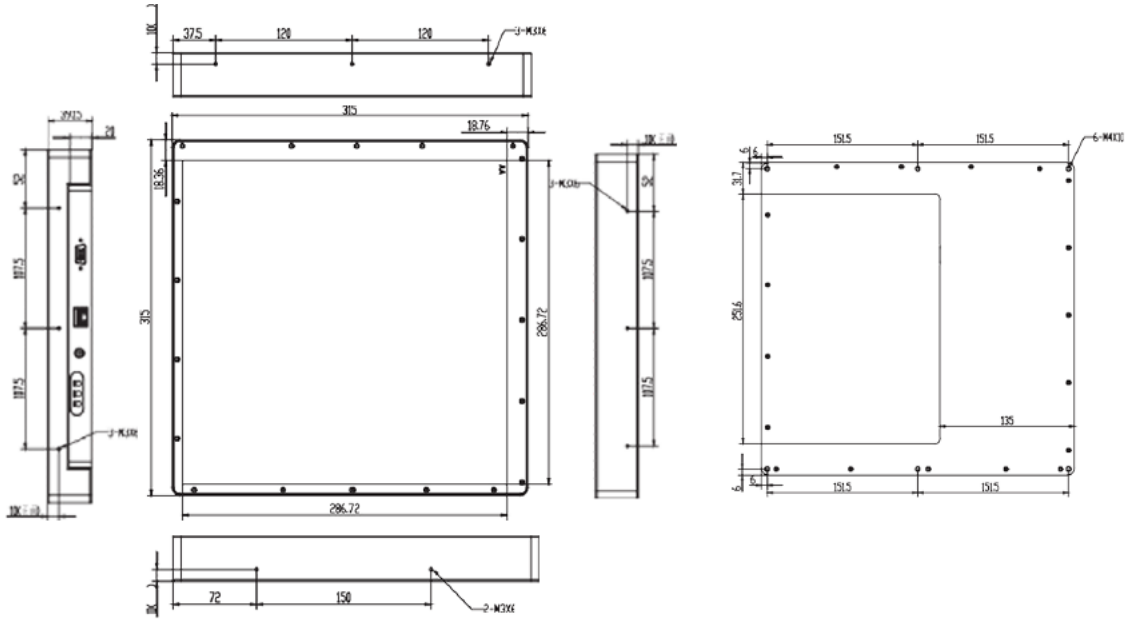




PZ MEDICAL
品臻影像

3030Z Dynamic

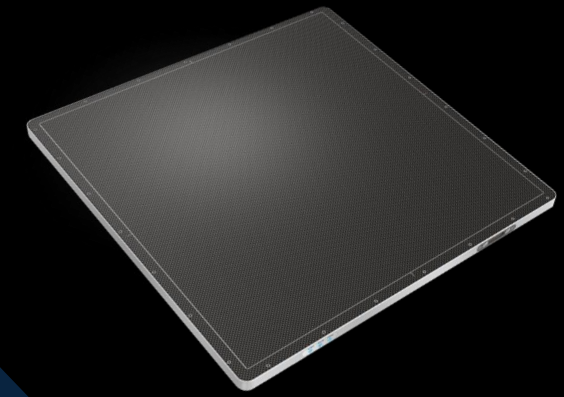
- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 29cm×29cm
- Pixel Matrix: 2048×2048
- Pixel Pitch: 139μm
- Frame rate (fps, 1x1): 10fps
- Frame rate (fps, 1x1): 30fps
- Weight: 2.7kg

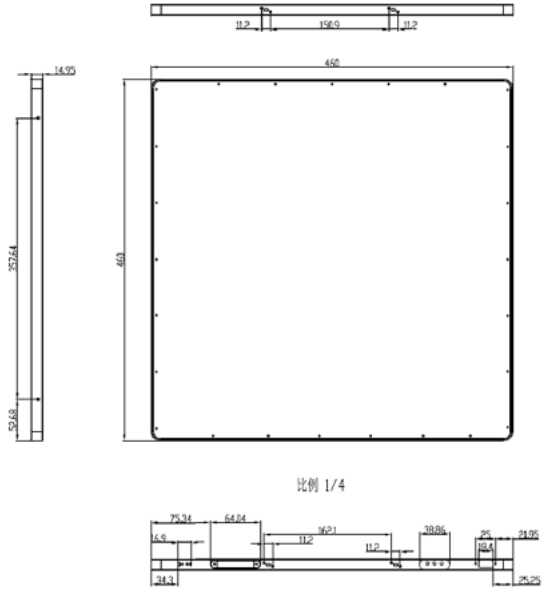


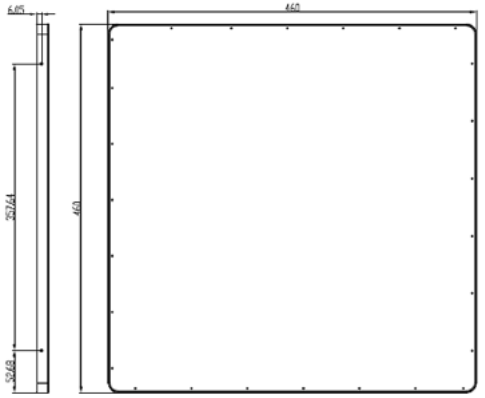
PZ MEDICAL
品臻影像

4343Z Dynamic

- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 43cm×43cm
- Pixel Matrix: 3072×3072
- Pixel Pitch: 139μm
- Frame rate (fps, 1x1): 4fps
- Frame rate (fps, 2x2): 15fps
- Frame rate (fps, 4x4): 25fps
- Weight: 10±0.5kg



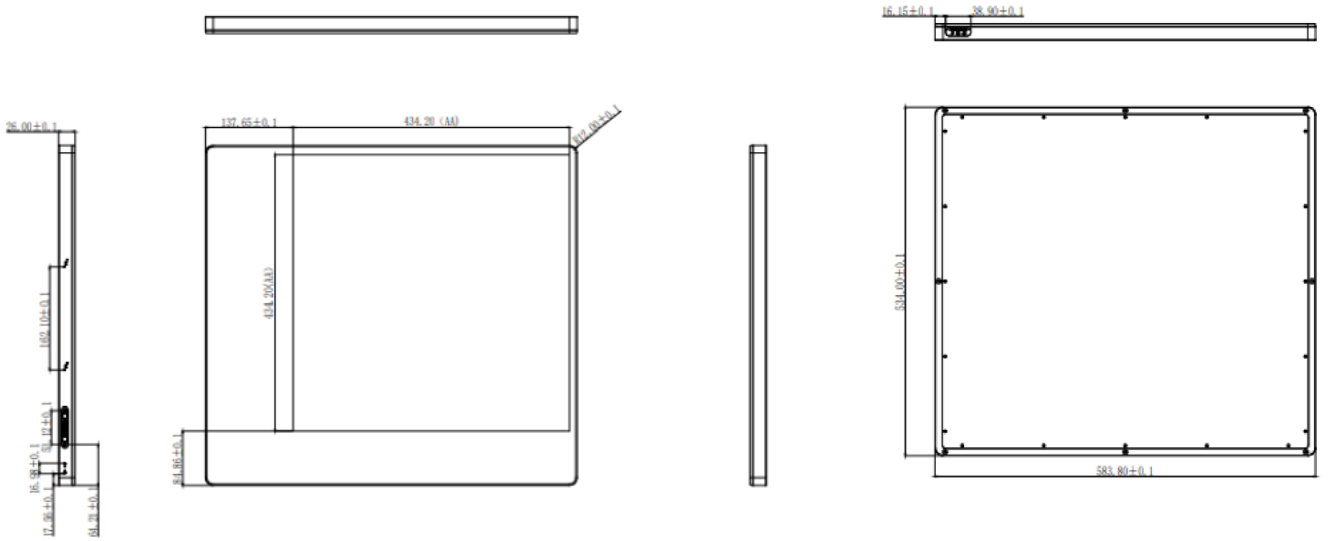




PZ MEDICAL
品臻影像

4343EGH

- Detector Type: a-Si
- Scintillator: GOS
- Pixel Size: 43cm×43cm
- Pixel Matrix: 3072×3072
- Pixel Pitch: 140μm
- Frame rate (fps, 1x1): 4fps
- Frame rate (fps, 2x2): 15fps
- Weight: 1.25±0.1kg

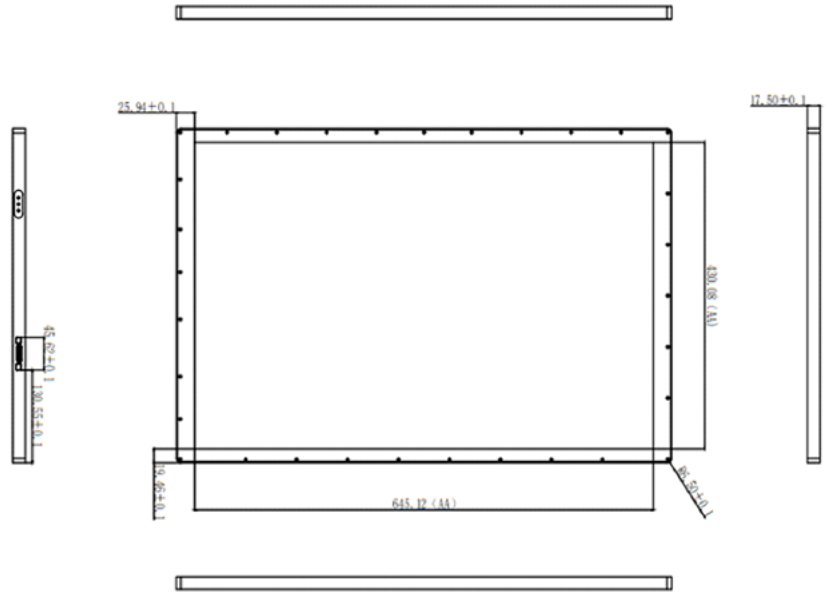


PZ MEDICAL
品臻影像

6543 Dynamic

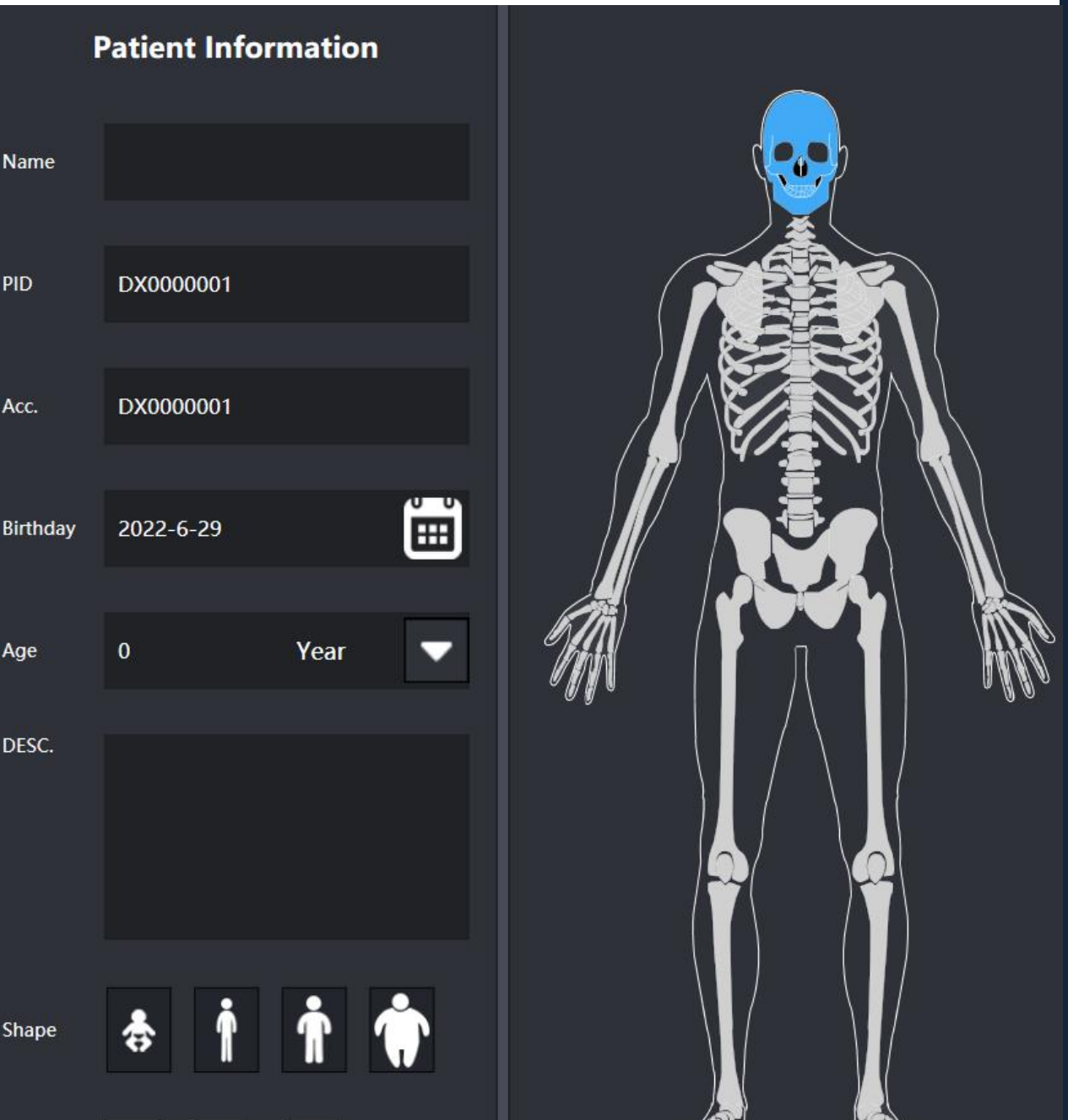
- Detector Type: a-Si
- Scintillator: CsI
- Pixel Size: 64.5cm×42.7cm
- Pixel Matrix: 4608×3072
- Pixel Pitch: 139μm
- Frame rate (fps, 1x1): 3fps
- Frame rate (fps, 2x2): 12fps
- Frame rate (fps, 3x3): 30fps
- Frame rate (fps, 6x6): 60fps





PZ MEDICAL
品臻影像

RELATED SOFTWARE --- PZDR



Key Specifications

PZDR is a post-image processing with specialized modules to acquire, adjust and manage diagnostic images created by PZ flat panel detectors.

- Optimized Workflow
- Body parts and customer specific Image processing
- Optimized for various applications
- Support different languages

Patient Information

Name

PID DX0000001

Acc. DX0000001

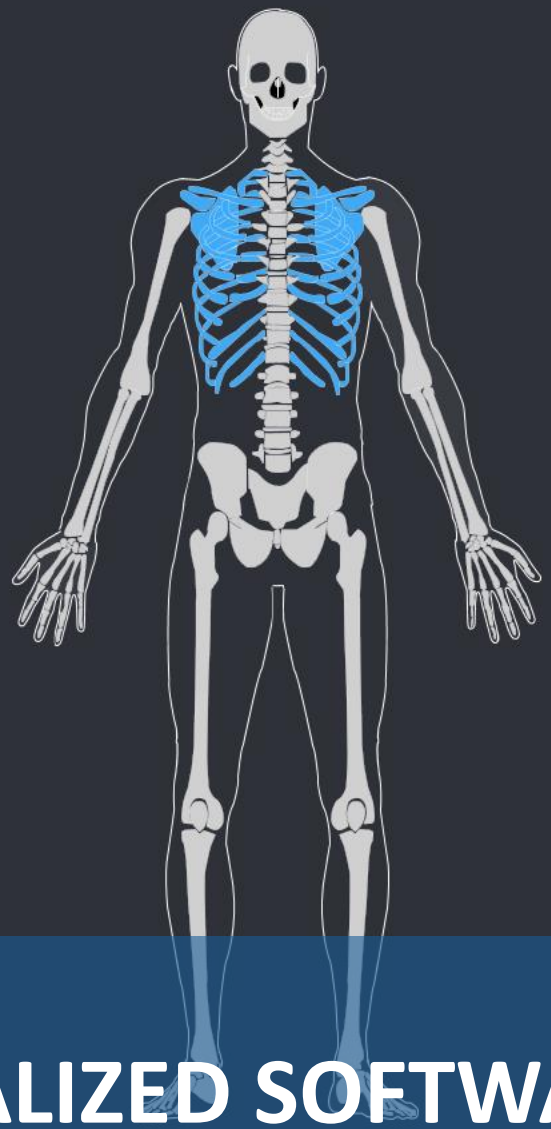
Birthday 2022-6-29

Age 0 Year

DESC.

Shape

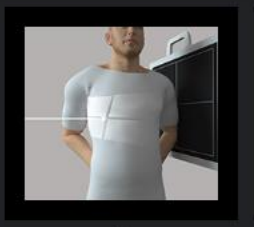
Sex



Agreement List


Chest PA


Chest LAT

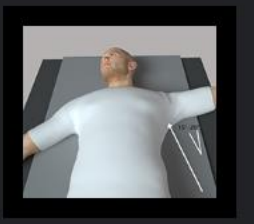

Ribs


Sternum LAT


Sternum OBL


Clavicle


Scapula AP

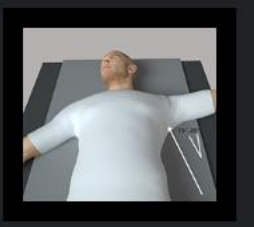

Scapula Y-View

Agreement Selected


Chest PA


Sternum OBL


Clavicle


Scapula Y-View

Register

Task

DataBase

Set

Exit

Emergency

Register

Check

SPECIALIZED SOFTWARE PACKAGE——PZDR

PZ MEDICAL 品峰影像

17:13
2022-6-29



Chest PA



Chest LAT

KV 115

mA 250

MAS 16.3

mAs

AEC

Start

DX0000004
Emergency_0000004
1D
Unknown

Disable
Chest PA
2022-8-23 13:01:22

20cm

ms:80
mA:125
KV:88

EI:9195
WL:58239
WW:12028

Mark Tools

L R T

View Tools

1:1

Crop Tools

System Tools

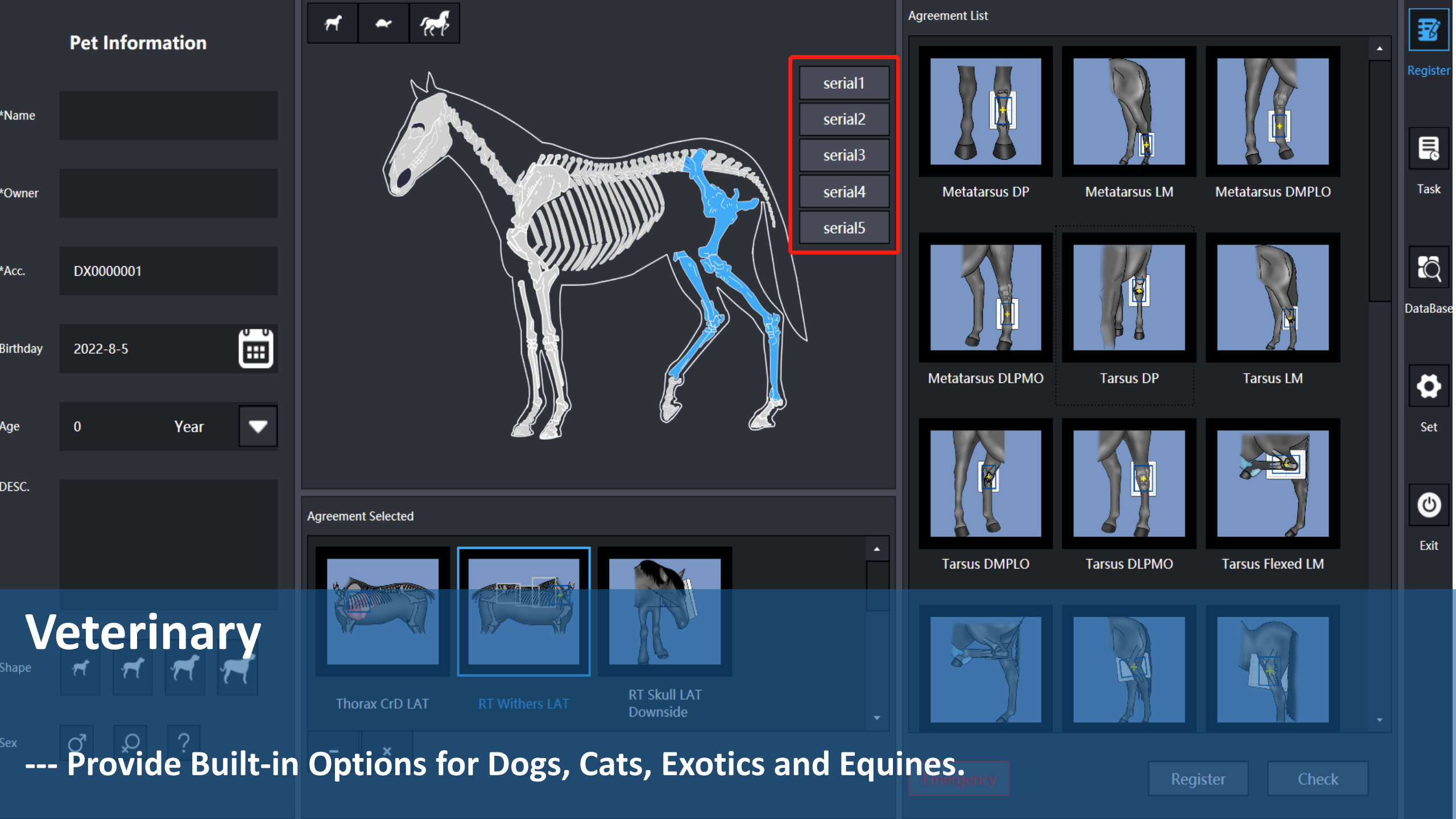
Soft Normal Sharp

Pause Done



Human

--- Body Parts and Customer Specific Image Processing


Pet Information
*Name
*Owner
*Acc.
DX0000001
Birthday
2022-8-5
Age
0
Year
DESC.
Shape
Sex
serial1
serial2
serial3
serial4
serial5
Agreement Selected
Thorax CrD LAT
RT Withers LAT
RT Skull LAT Downside
Agreement List
Metatarsus DP
Metatarsus LM
Metatarsus DMPLO
Metatarsus DLPMO
Tarsus DP
Tarsus LM
Tarsus DMPLO
Tarsus DLPMO
Tarsus Flexed LM
Register
Task
DataBase
Set
Exit
Emergency
Register
Check
Veterinary
--- Provide Built-in Options for Dogs, Cats, Exotics and Equines.



Veterinary

--- Provide Built-in Options for Dogs, Cats, Exotics and Equines.

PZ MEDICAL
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