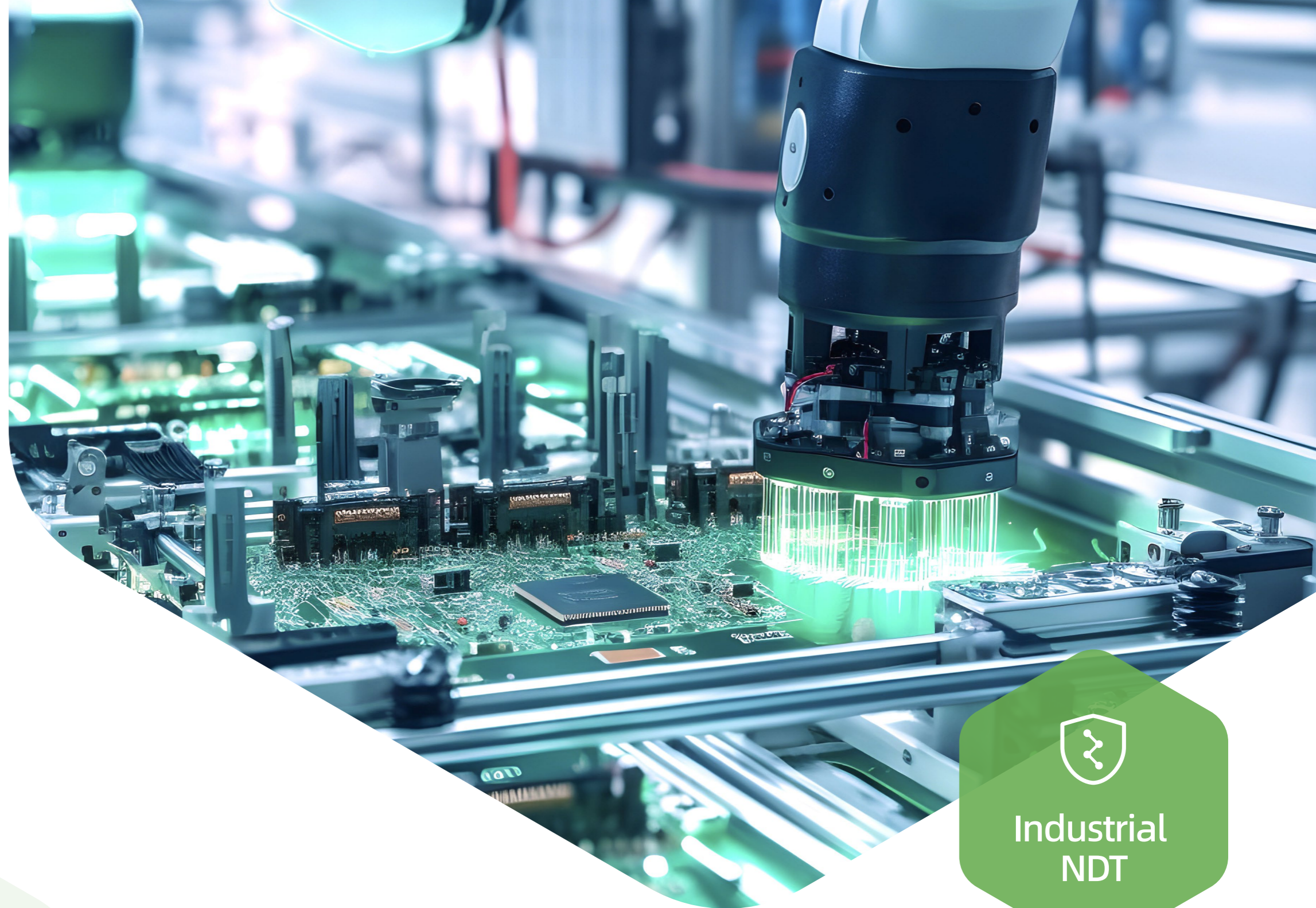




Blue Line
BLtechnology Co.,Ltd.
(주)비엘테크놀로지

대표 김 달 수
President Dal Soo, Kim

Tel 02)428-4207 Fax 02)6280-6079 C.P 010-5385-7507
E-Mail dskim@bl-t.com Homepage www.bl-t.com
경기도 하남시 미사대로 510 아이에스비즈타워 634호
A-634, 510, Misa-daero, Hanam-si, Gyeonggi-do,
Republic of Korea (Postcode 12925)



Industrial
NDT

Careray Digital Medical Technology Co., Ltd.

CHINA HQ

- 5F, Building B3, BIOBAY, 218 Xinghu St. Suzhou, 215123
- +86 512-8686-0288 chinasales@careray.com
- www.careray.cn support@careray.com

USA

- 2352 Walsh Ave., Santa Clara, CA 95051, USA
- +1(408) 418-3985 globalsales@careray.com
- careray.com support@careray.com

SOLUTIONS FOR TODAY
INNOVATIONS FOR TOMORROW



Company Profile

CareRay Digital Medical Technology Co., Ltd. (hereinafter referred to as "CareRay"), founded in 2007, is a tech-leading global supplier of digital X-ray core components and one-stop solutions. With its headquarters located in Suzhou, China, CareRay specializes in R&D, production, sales, and service of digital X-ray flat panel detectors and currently has core business segments including medical, industrial, dental, veterinary, etc., providing optimized products with various diagnostic modalities and innovative Precision Low Dose Radiography with AI-powered smart solutions.

With business presences in over 30 countries and regions around the world, CareRay has set up subsidiaries in the United States, India, Italy, Japan, South Korea and Singapore, providing a global service support network with responsive and localized professionals.



2007
Founded In



668607
Stock Code



200+
Employees



24K per year
Est. FDP Production

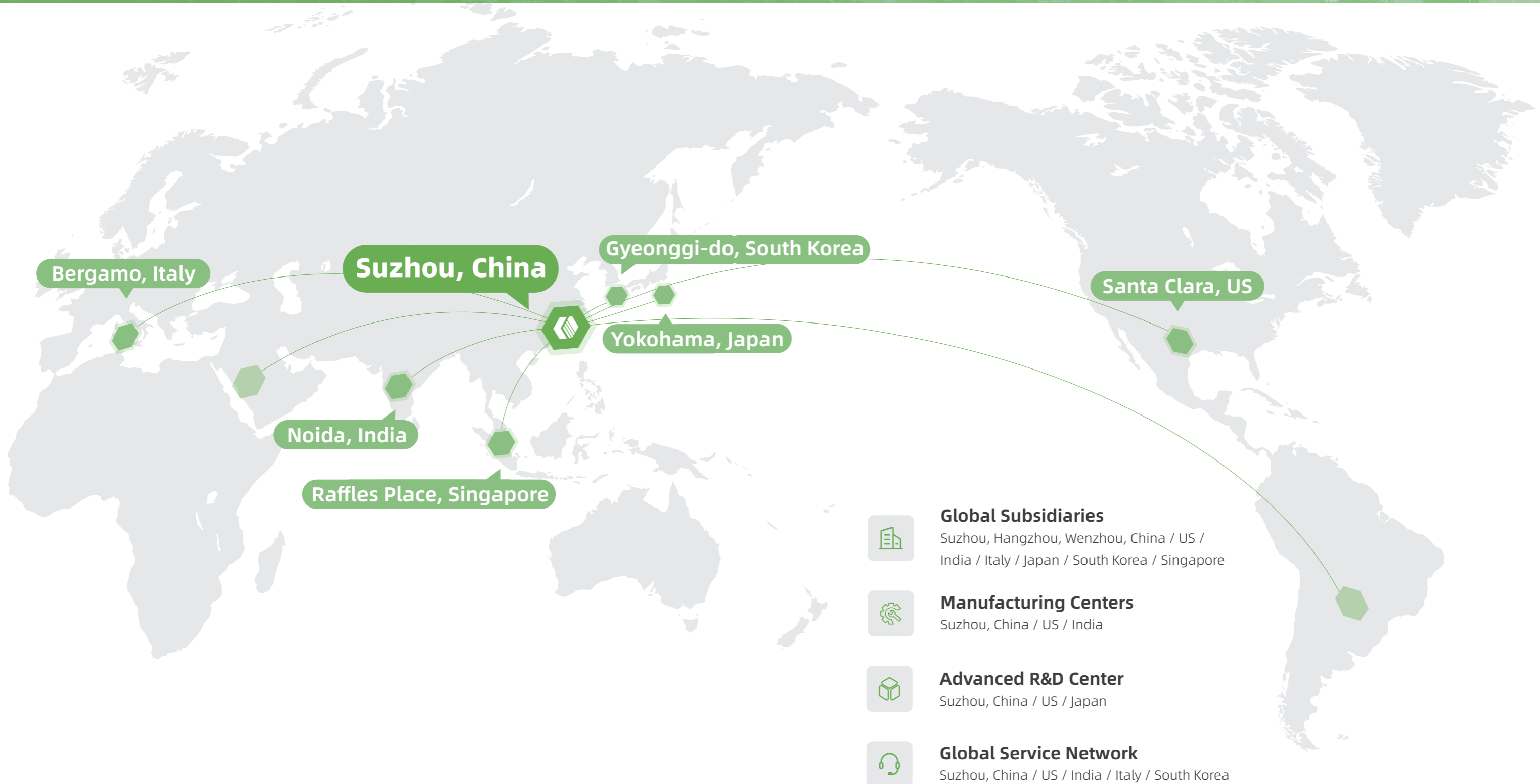
CORE VALUES

INNOVATION · EFFICIENCY · ENGINEERING EXCELLENCE

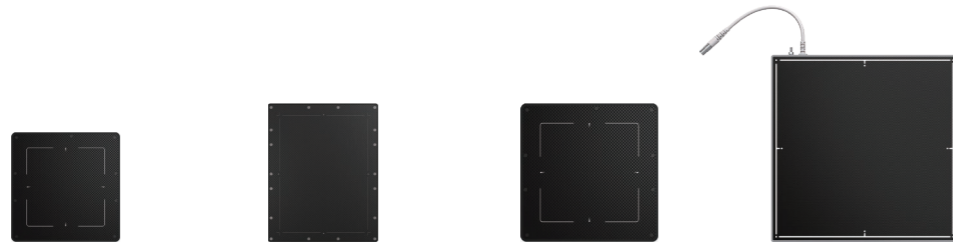


CARERAY

Global Strategic Layout



Dynamic Flat Panel Detectors



Model	CareVision 1313HR	CareVision 1520HS	CareVision 1717HR	CareVision 4343IF
Sensor	a-Si TFT	IGZO TFT	a-Si TFT / IGZO TFT	a-Si TFT
Scintillator	CsI	CsI	CsI	CsI
Pixel Pitch	84 μm	98 μm	84 μm	140 μm
Active Area	129 x 129 mm	151 x 201 mm	172 x 172 mm	430 x 430 mm
Image Matrix Size	1536 x 1536	1536 x 2048	2048 x 2048	3072 x 3072
Frame Rate	30 fps (1 x 1) 20 fps (2 x 2)	50 fps (1 x 1) 55 fps (2 x 2)	30 fps (1 x 1) 60 fps (2 x 2)	4 fps (1 x 1) 12 fps (2 x 2)
A/D Conversion	16-bit	16-bit	16-bit	16-bit
Energy Range	20 kV~225 kV	20 kV~225 kV	20 kV~225 kV/450 kV	20 kV~160 kV
Radiation Tolerance	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	10 GigE	10 GigE	10 GigE	GigE
Temperature Range	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dimensions	187 x 187 x 47 mm	225 x 187 x 46 mm	227 x 227 x 32 mm	470 x 470 x 15 mm
Weight	~2.7 kg	~3.0 kg	~3.5 kg	~5.0 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

Dynamic Flat Panel Detectors



Model	CareVision 3030HS	CareVision 3030SE
Sensor	IGZO TFT	IGZO TFT
Scintillator	CsI	CsI
Pixel Pitch	99 μm	99 μm
Active Area	304 x 304 mm	304 x 304 mm
Image Matrix Size	3072 x 3072 (1 x 1)	3072 x 3072 (1 x 1)
Frame Rate	30 fps (1 x 1) 48 fps (2 x 2)	12 fps (1 x 1) 24 fps (2 x 2)
A/D Conversion	16-bit	16-bit
Energy Range	20 kV~225 kV/450 kV	20 kV~225 kV/450 kV
Radiation Tolerance	≥ 10000 Gy	≥ 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync
Data Interface	10 GigE	10 GigE
Temperature Range	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dimensions	350 x 350 x 46.7 mm	350 x 350 x 46.7 mm
Weight	~11.8 kg	~11.8 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

Dynamic Flat Panel Detectors



Model	CareVision 240IFT	CareVision 560IF	CareVision 750IF	CareVision 750IF-II
Sensor	a-Si TFT	a-Si TFT	a-Si TFT	a-Si TFT
Scintillator	CsI / GOS	CsI / GOS	CsI / GOS	CsI / GOS
Pixel Pitch	154 μ m	154 μ m	120 μ m	120 μ m
Active Area	157 x 157 mm	236 x 236 mm	244 x 307 mm	244 x 307 mm
Image Matrix Size	1024 x 1024 (1 x 1)	1536 x 1536 (1 x 1)	2048 x 2560 (1 x 1)	2048 x 2560 (1 x 1)
Frame Rate	30 fps (1 x 1) 15 fps (2 x 2)	15 fps (1 x 1) 29 fps (2 x 2)	6 fps (1 x 1) 24 fps (2 x 2)	17 fps (1 x 1) 34 fps (2 x 2)
A/D Conversion	16-bit	16-bit	16-bit	16-bit
Energy Range	20 kV~225 kV/450 kV	20 kV~225 kV/450 kV	20 kV~225 kV/450 kV	20 kV~225 kV/450 kV
Radiation Tolerance	\geq 10000 Gy	\geq 10000 Gy	\geq 10000 Gy	\geq 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	GigE	GigE	GigE	10 GigE
Temperature Range	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dimensions	187 x 179 x 46 mm	280 x 280 x 46 mm	346 x 288 x 46 mm	346 x 288 x 46 mm
Weight	~2.5 kg	~5.0 kg	~8.1 kg	~8.1 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

Dynamic Flat Panel Detectors



Model	CareVision 1800RF	CareVision 4343HE(IE)	CareVision 4343HS	CareVision 1800IF
Sensor	a-Si TFT	a-Si TFT	IGZO TFT	a-Si TFT
Scintillator	CsI / GOS	CsI / GOS	CsI / GOS	CsI / GOS
Pixel Pitch	154 μ m	140 μ m	140 μ m	154 μ m
Active Area	432 x 432 mm	430 x 430 mm	430 x 430 mm	432 x 432 mm
Image Matrix Size	2816 x 2816 (1 x 1)	3072 x 3072 (1 x 1)	3072 x 3072 (1 x 1)	2816 x 2816 (1 x 1)
Frame Rate	4 fps (1 x 1) 15 fps (2 x 2)	16 fps (1 x 1) 31 fps (2 x 2)	40 fps (1 x 1) 80 fps (2 x 2)	4 fps (1 x 1) 15 fps (2 x 2)
A/D Conversion	16-bit	16-bit	16-bit	16-bit
Energy Range	20 kV~225 kV	20 kV~225 kV/450 kV	20 kV~225 kV/450 kV	20 kV~15 MeV
Radiation Tolerance	\geq 10000 Gy	\geq 10000 Gy	\geq 10000 Gy	\geq 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	GigE	10 GigE	10 GigE	GigE
Temperature Range	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)	0°C ~ 50°C (Operating) -20°C ~ 50°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dimensions	460 x 460 x 28 mm	470 x 470 x 32 mm	470 x 470 x 32 mm	560 x 478 x 25 mm
Weight	~5.0kg	16.1 (15.8) kg	16.1 kg	~6.0 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

Portable Flat Panel Detectors



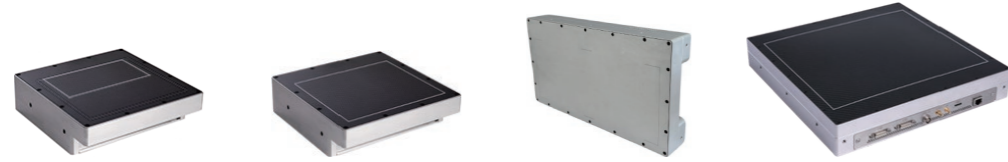
Model	CareVision 750S	CareVision 750SF	CareVision 1500S	CareVision 1500SF
Sensor	a-Si TFT	Flexible TFT	a-Si TFT	Flexible TFT
Scintillator	CsI / GOS	GOS	CsI / GOS	GOS
Pixel Pitch	120 µm	120 µm	154 µm	154 µm
Active Area	246 x 307 mm	246 x 307 mm	434 x 355 mm	434 x 355 mm
Image Matrix Size	2048 x 2560	2048 x 2560	2816 x 2304	2816 x 2304
A/D Conversion	16-bit	16-bit	16-bit	16-bit
Energy Range	20-225 kV	20-160 kV	20-225 kV	20-160 kV
Radiation Tolerance	> 100kRad	> 100kRad	> 100kRad	> 100kRad
Trigger Type	Manual / Software Sync	Manual / Software Sync	Manual / Software Sync	Manual / Software Sync
Max. Exposure Time	180 s	180 s	180 s	180 s
Data Interface	GigE / Wireless	GigE / Wireless	GigE / Wireless	GigE / Wireless
Temperature Range	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dust & Water Resistant	IP 67	IP 67	IP 67	IP 67
Dimensions	339 x 287 x 18.8 mm	327.3 x 285.6 x 18.65 mm	463.6 x 387.6 x 18.8 mm	454.2 x 386.8 x 18.65 mm
Weight	~2.3 kg	~2.3 kg	~4.0 kg	~4.0 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

Portable Flat Panel Detectors



Model	CareVision 750SR	CareVision 1800S	CareVision 1800SF
Sensor	a-Si TFT	a-Si TFT	Flexible TFT
Scintillator	CsI / GOS	CsI / GOS	GOS
Pixel Pitch	77 µm	100 µm	100 µm
Active Area	236 x 313 mm	430 x 430 mm	430 x 430 mm
Image Matrix Size	4096 x 3072	4302 x 4302	4302 x 4302
A/D Conversion	16-bit	16-bit	16-bit
Energy Range	20-320 kV	20-160 kV / 320 kV	20-160 kV / 320 kV
Radiation Tolerance	> 100kRad	> 100kRad	> 100kRad
Trigger Type	Software Sync / Dynamic Internal	Software Sync / Dynamic Internal	Software Sync / Dynamic Internal
Max. Exposure Time	180 s	180 s	180 s
Frame Rate	2.5 fps (1 x 1) 9 fps (2 x 2) 27 fps (4 x 4)	1.3 fps (1 x 1) 5 fps (2 x 2) 20 fps (4 x 4)	1.3 fps (1 x 1) 5 fps (2 x 2) 20 fps (4 x 4)
Data Interface	GigE / Wireless	GigE / Wireless	GigE / Wireless
Temperature Range	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)	-20°C ~ 40°C (Operating) -40°C ~ 55°C (Storage)
Humidity Range (Non-condensing)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)	30% ~ 75%RH (Operating) 10% ~ 90%RH (Storage)
Dust & Water Resistant	IP 68	IP 68	IP 68
Dimensions	348 x 384.8 x 24 mm	455 x 474 x 15 mm	455 x 474 x 15 mm
Weight	~4.68 kg	~4.4 kg	~3.9 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

CMOS Flat Panel Detectors



Model	CareVision 1206HR	CareVision 1412HR	CareVision 2812HR	CareVision 2824HR
Sensor	CMOS	CMOS	CMOS	CMOS
Scintillator	CsI	CsI	CsI	CsI
Pixel Pitch	50 μm	50 μm	50 μm	50 μm
Active Area	119.6 x 60 mm	140.1 x 120 mm	280.3 x 120 mm	280.3 x 240.1 mm
Image Matrix Size	2392 x 1200	2802 X 2400	5606 x 2401	5606 X 4802
Frame Rate	59 fps	29 fps	29 fps	22 fps
A/D Conversion	14-bit	14-bit	14-bit	14-bit
Energy Range	20 kV~225 kV	20 kV~225 kV	20 kV~225 kV	20 kV~225 kV
Radiation Tolerance	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	5 GigE / CL	5 GigE / USB	10 GigE	10 GigE / CL
Temperature Range	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)
Humidity Range (Non-condensing)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)
Dimensions	171.5 x 171.5 x 49 mm	171.5 x 171.5 x 49 mm	315 x 174.5 x 49.6 mm	315 x 316.5 x 53 mm
Weight	2.9 kg	2.9 kg	6 kg	10 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

CMOS Flat Panel Detectors



Model	CareVision 1412HS	CareVision 1510HS	CareVision 1615HS
Sensor	CMOS	CMOS	CMOS
Scintillator	CsI	CsI	CsI
Pixel Pitch	100 μm	100 μm	100 μm
Active Area	140.1 x 120.0 mm	153.6 x 103.1 mm	161 x 150 mm
Image Matrix Size	1401 x 1200	1536 x 1031	1610 x 1500
Frame Rate	100 fps	66 fps	83 fps
A/D Conversion	14-bit	14-bit	14-bit
Energy Range	20 kV~225 kV	20 kV~225 kV	20 kV~225 kV
Radiation Tolerance	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	10 GigE	USB	10 GigE
Temperature Range	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)
Humidity Range (Non-condensing)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)
Dimensions	171 x 171 x 49 mm	229 x 107 x 10 mm	201 x 187 x 35 mm
Weight	2.9 kg	0.8 kg	1.25 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

CMOS Flat Panel Detectors

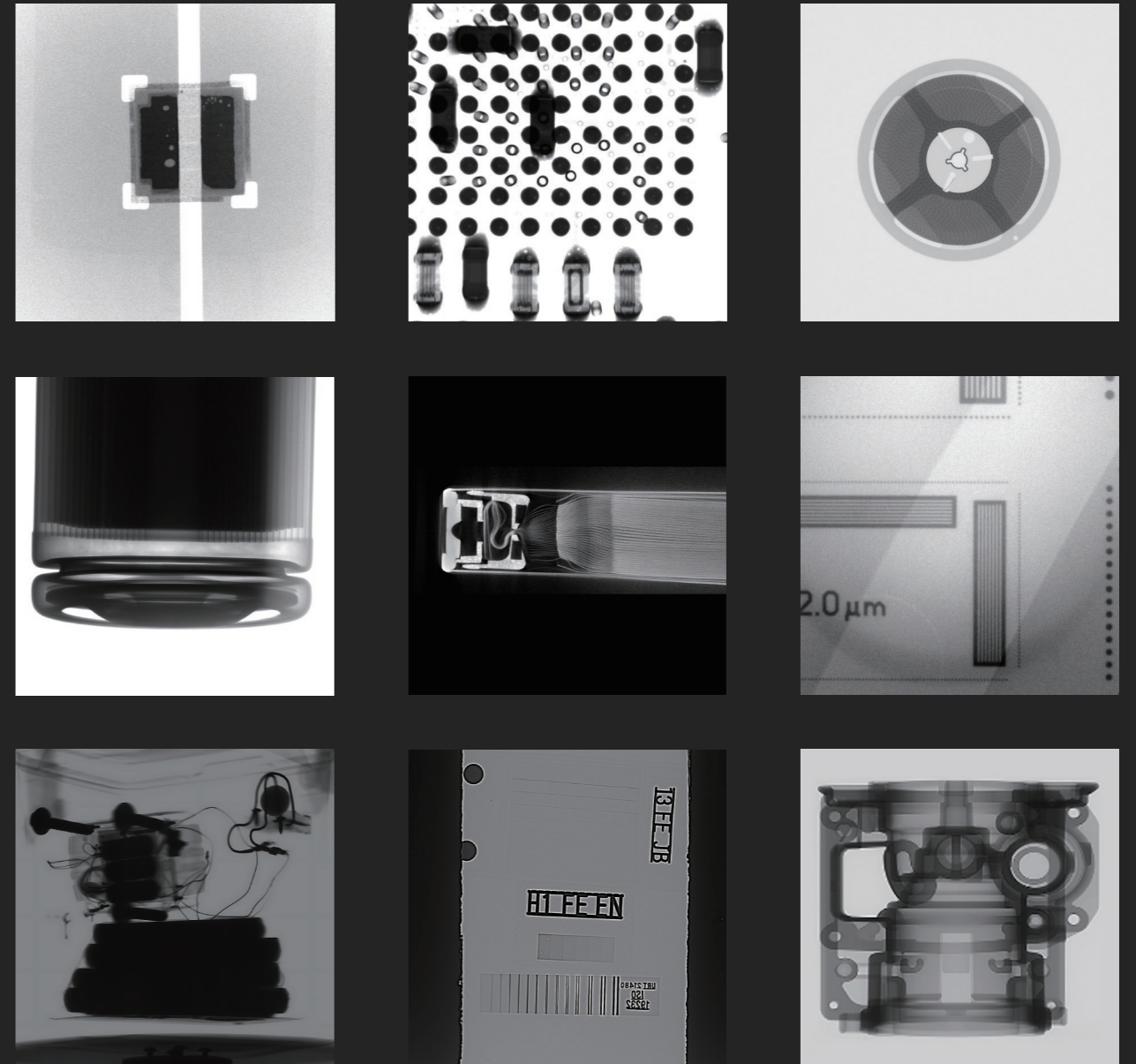


Model	CareVision 2121HS	CareVision 2812HS	CareVision 2824HS
Sensor	CMOS	CMOS	CMOS
Scintillator	CsI	CsI	CsI
Pixel Pitch	100 μm	100 μm	100 μm
Active Area	204.9 x 206.3 mm	280.3 x 120 mm	280.3 x 240.1 mm
Image Matrix Size	2049 x 2063	2803 x 1200	2803 X 2401
Frame Rate	84 fps	116 fps	90 fps
A/D Conversion	14-bit	14-bit	14-bit
Energy Range	20 kV~225 kV	20 kV~225 kV	225 kV
Radiation Tolerance	≥ 10000 Gy	≥ 10000 Gy	≥ 10000 Gy
Trigger Type	Internal / External Sync	Internal / External Sync	Internal / External Sync
Data Interface	10 GigE	10 GigE	10 GigE / CL
Temperature Range	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)	5°C ~ 40°C (Operating) -20°C~55°C (Storage)
Humidity Range (Non-condensing)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)	10% ~ 90% (Operating) 10% ~ 90% (Storage)
Dimensions	245 x 280 x 47 mm	315 x 174.5 x 49.6 mm	315 x 316.5 x 53 mm
Weight	8.2 kg	6 kg	10 kg
Power Supply	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC	100-240V, 50/60Hz AC

※ Technical specifications are subject to change without prior notice.

©2025 CareRay Digital Medical Technology Co.,Ltd. V25.4
This document cannot be considered to be a contractual specification.

X-RAY Flat Panel Detectors



대표 김 달 수
President Dal Soo, Kim

Tel 02)428-4207 Fax 02)6280-6079 C.P 010-5385-7507

E-Mail dskim@bl-t.com Homepage www.bl-t.com

경기도 하남시 미사대로 510 아이에스비즈타워 634호
A-634, 510, Misa-daero, Hanam-si, Gyeonggi-do,
Republic of Korea (Postcode 12925)