Safe detection of explosives & IED

EOD SYSTEM

BONTECH

Specializing in digital X-ray imaging solution

About
BONTECH

Advanced Technology

Customer Satisfaction

Open Management

2013	**Established Digital X-ray Detector division**
2014	**Introduced products to U.S Market**
2018	**Medial detector Launching** ·GMP , KFDA, CE , FDA registration
2019	**NDT detector Launching** ·Export of NDT Detector to the oversea market (Japan, USA etc) ·Supplied to an industrial X-ray inspection device company
2020	**EOD system Launching** ·Supplied to Incheon Airport (EOD System)
2021	**EOD system** ·Supplied to Korean Marine Corps , Korean Airforce ·Supplied to Presidential Security Service Korea
2022	**EOD systems Selected by the Ministry of National Defense for Outstanding Prize Products**
2023	**Procurement and Ordering of EOD Systems** ·Korean National Police Agency & Special Operation Unit ·Conducting military field operation evaluation

Products
LINE UP

Mercury

Portable & Mobility

·Portable X-ray
·14×17" Detector
·Backpack
·Tablet PC or Laptop

Europa

Compact All in One

·Portable X-ray
·14×17" Detector
·Pelican Case
·Tablet PC or Laptop

Titan

Wide View

·Portable X-ray
·14×17" Detector
·Pelican Case
·24", 10" Dual Tablet

Mercury

Portable & Mobility

Portable equipment for operational environments that require urgent deployment with superior portability and ease of use

Mercury

Mercury	
Type	Backpack
Purpose	Portable EOD X-ray System(DR)
Detector	14 x 17" wireless detector
X-ray generator	150 ~ 370kVp Portable X-ray
Workstation	Tablet PC or Laptop
Backpack size	450 x 500 x 250 mm

ITEM/SPEC.	
Sensor type	TFT
Dimension(W x L x T)	400 x 465 x 17mm
Weight	2.9 ~ 5kg(Option)
Pixel pitch	140μm
Active pixel area	358.4 x 427.28mm
Limited resolution	3.57 lp/mm
AD convertor	16 bits
Data transfer interface	Wireless : IEEE 802.11ac / Gigabit Ethernet
Margin of edge	Bottom 5mm, Left 12mm
X-ray energy range	~ 450kVp
Battery performance	More than 12hours (3 packs)
IP Grade	IP67

	XR150	XR200	XRS3
Size	9.1 x 3 x 4.1" (231 x 77 x 103mm)	10.7 x 4.3 x 5.8" (272 x 108 x 148mm)	14.2 x 4.3 x 5.8" (361 x 109 x 148mm)
Weight	4.70 lb / 2.13 kg (including battery)	10.7 lb / 4.8 kg (including battery)	11.8 lb / 5.3 kg (including battery)
Pulse rate	11 pulses per second	10 pulses per second	15 pulses per second
Max photon energy	150kVp	150kVp	270kVp
Pulse width	50 nanoseconds	50 nanoseconds	25 nanoseconds
Max duty cycle	200 pulses per 4 minutes	200 pulses per 4 minutes	200 pulses per 4 minutes

Europa

Compact All in One

Most commonly used standard equipment
Identifying explosives installed for the purpose of
exploding multi-use facilities

Europa

Europa	
Type	Pelican Case
Purpose	EOD X-ray System (DR)
Detector	14 x 17" wireless detector
X-ray generator	150 ~ 370kVp Portable X-ray
Workstation	Tablet PC or Laptop
Size	625 x 500 x 366mm

ITEM/SPEC.	
Sensor type	TFT
Dimension(W x L x T)	400 x 465 x 17mm
Weight	2.9 ~ 5kg(Option)
Pixel pitch	140μm
Active pixel area	358.4 x 427.28mm
Limited resolution	3.57 lp/mm
AD convertor	16 bits
Data transfer interface	Wireless : IEEE 802.11ac / Gigabit Ethernet
Margin of edge	Bottom 5mm, Left 12mm
X-ray energy range	~ 450kVp
Battery performance	More than 12hours (3 packs)
IP Grade	IP67

	XR150	XR200	XRS3
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Max duty cycle	200 pulses per 4 minutes	200 pulses per 4 minutes	200 pulses per 4 minutes

Titan

Wide View

Professional equipment for clearer analysis
with high-resolution (20-inch or more) large displays
and advanced technology

Titan

Type	Pelican Case
Purpose	EOD X-ray System (DR)
Detector	14 x 17" wireless detector
X-ray generator	150 ~ 370kVp Portable X-ray
Workstation	over 20" & 10" Dual Tablet
Size	802 x 520 x 316mm

ITEM/SPEC.

Sensor type	TFT
Dimension(W x L x T)	400 x 465 x 17mm
Weight	2.9 ~ 5kg(Option)
Pixel pitch	140μm
Active pixel area	358.4 x 427.28mm
Limited resolution	3.57 lp/mm
AD convertor	16 bits
Data transfer interface	Wireless : IEEE 802.11ac / Gigabit Ethernet
Margin of edge	Bottom 5mm, Left 12mm
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Advantage of

Bontech EOD System

Own Technology

Detector
AED (Auto Exposure Detection) advances reducing error rate

Advanced technology provides slim, light & compact external
Which enhances convenience for radiology professionals.

Minimum blind spot by low dead space 5mm(bottom) / 12mm(left)
IP67 rated. (IP68 with Armor)

Slim type handle adopted considering the environment of use

EOD software
User friendly design / Various kind function.

Accessories
Own manufacturing : Control Unit , Armor, Detector holder, Backpack
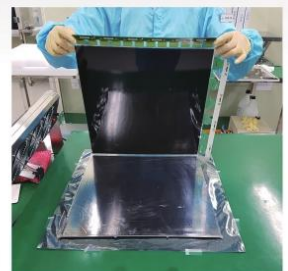Modification : Pelican Case, Tripod

Quick customer service
Direct & quick response
Repair in 1 month for most issue

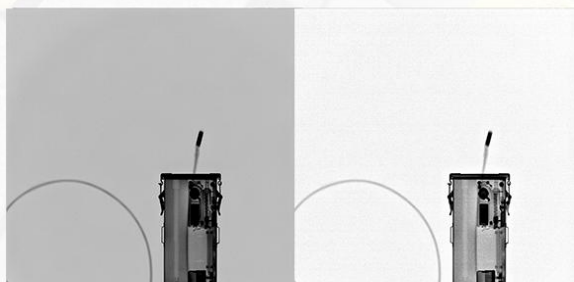## Customizing available
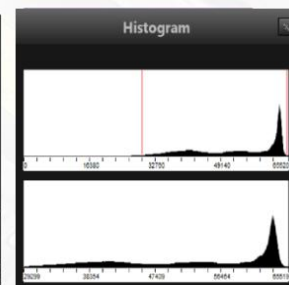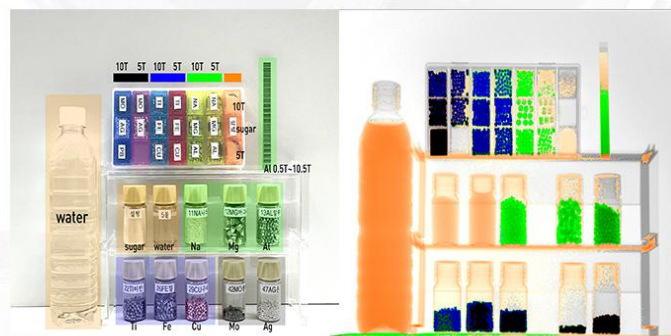Various customization possible by own manufacturing of main parts

EOD Software

Operation Screen

Smart Filter

Histogram

Dual Energy Analysis

Color Mapping

Accessories

Control unit
Compact design
Only 1 Wired Connections

Tripod (Generator)
Strong stabilized

Cradle / Bipod (Detector)
Option

Dual Energy
Organic & inorganic
substances

Rugged Armor
Shock and temperature resistance
IP67→IP68

Ethernet Reel
Max 200m available

EOD SYSTEM

Certifications

ISO 13485
International Organisation for Standardization

GMP Certified

KC

CE

UL

KFDA

FDA DEPARTMENT OF HEALTH & HUMAN SERVICES · USA

FCC FEDERAL COMMUNICATIONS COMMISSION USA

NATO OTAN

User Organization

PRESIDENTIAL SECURITY SERVICE
REPUBLIC OF KOREA
대통령경호처

Incheon Airport
인천국제공항공사

Republic of Korea Army
대한민국육군

REPUBLIC OF KOREA AIR FORCE
대한민국공군

REPUBLIC OF KOREA MARINE CORPS
대한민국 해병대

REPUBLIC OF KOREA NAVY
대한민국해군

KOREAN NATIONAL POLICE AGENCY
경찰청

SPECIAL OPERATION UNIT
경찰특공대

RAILWAY POLICE
철도특별사법경찰대

UZTECHTRADE

US Military Standard

MIL-STD 810G Certified

Test Passed
· Drop Test
· IP67 Grade
· Vibration Test
· High and low Temperature Test
· Low Pressure Test

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