



# CR35+ DR Bundle

## Technical Specifications

# CR35+ - Technical Specifications (Digital IP-Plate Processor)

## General technical data

Dimensions (LxWxH)	37 x 40 x 47 cm
Scanner weight	17.5 kg (38.5 lbs.)
Laser spot size	50 µm
Plate resolution	100 µm (75 µm on demand)
Grey levels	16-bit, 65,536 grey levels
Max. plate size	35 cm wide, length virtually unlimited
Electrical	100 – 240 VAC / 50 – 60 Hz ~ 140 W
Temperature range	10 °C to 35 °C
ICU unit	CR
Power supply	Operating CR scanner by AC mains / vehicle power supply / battery pack



## Image plate

Dimensions	35 cm x 43 cm / 4 pcs. included
Thickness / weight	< 2 mm / 200 g
Life-cycle	more than 1.000 times (depending on mechanical stress)
Accessories	4 numbered protection bags, foldable mounting board (for 4 plates), mounting canvas (for 9 plates), mounting kit (rope, D-rings, etc.)

## Transportation options

Transport case	Truck mounted design, with push loading drawer for rack system or wheels, full system is contained in this case, cable set: ethernet 3m, power supply AC mains and vehicle
Portable case	For scanner with handle and wheels



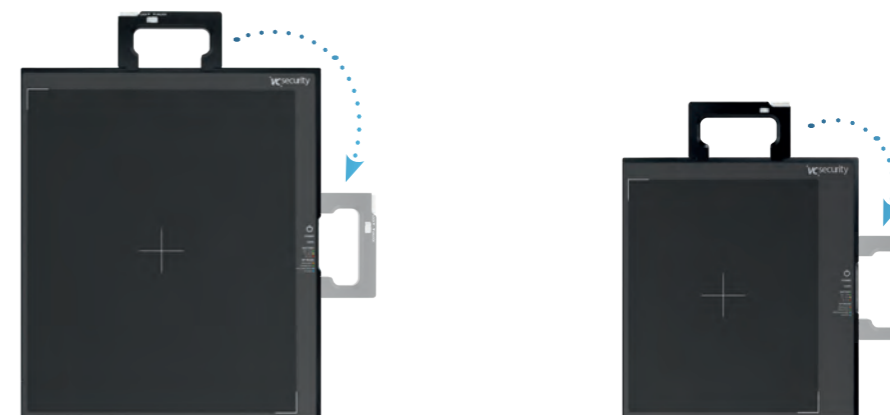
### 2 Battery pack options

**BB 2590/U battery (294 Wh nominal)**  
More than 100 scans during 6 hours with 1 charge

**RRC 2054 Li-Ion battery (99.4 Wh)**  
It is capable to scan 35 image plates with 1 charge



# DR Panels - Technical specifications



Panels	DR3643	DR2532
Pixel Matrix	2560 x 3072 pixels	2048 x 2560 pixels
Pixel Pitch	140 µm (100 µm model also available upon request)	124 µm
Resolution	3.5 lp/mm	4 lp/mm
Size	400 x 470 x 17 mm (14" x 17")	322 x 355 x 17 mm (10" x 12")
Active Area	358 x 430 mm	253.95 x 317.44 mm
Weight	4.2 kg (9.3 lbs.)	2.7 kg (6 lbs.)
Dead Space	8 mm bottom / 10 mm right side	8.5 mm bottom and right side

## Sensor Wide Quantization Depth with Low Noise Level

Panel	TFT with photodiode
Scintillator	GOS (Csl optional available)
Greyscale	16bit



## Mechanical Stable and Reliable AED Function

Detachable handle	Portrait and landscape (two sides)
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## Communication High speed wireless transmission with 3 antennas

Status display	Wi-Fi, LAN and battery indicator
Wireless data I/F	802.11n/ac Wifi standard at 2.4 & 5 GHz
Fast initial setup time	15 seconds only
Image acquisition time	Wired: 1.5 s / Wireless: 3 s



## Environmental Excellent temperature stability

Ingress protection	Water resistant and dustproof (IP67)
Operating environment	-20 °C - + 50 °C

## Power Long battery life

Battery	Rechargeable Li-Ion battery (hot swappable)
Battery charger	External two bay charger 100 – 240 V AC 50/60 Hz
Operating time	Up to 8 hrs. capturing

# Hand held transmitter for X-ray source

The VCsecurity wireless hand held X-ray generator transmitters allow you to fire the X-ray source without the need of an Integrated Control Unit (ICU) or cumbersome hard wires.

These small and lightweight transmitters allow for quick tactical short-range operations when a lightweight and a small package is required.

The system has a built in safe and arming switch that provides safe firing of the X-rays and ensures that there are no misfires.

The devices are rugged and allow long range wireless operation from a safe distance.

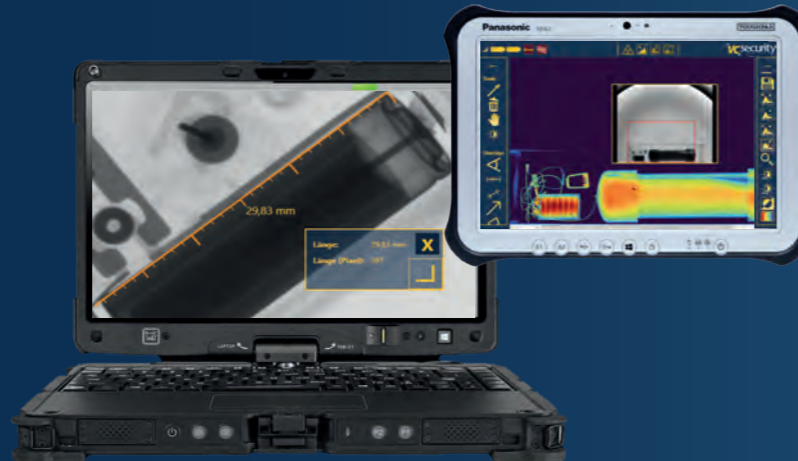
## Specifications

- › Direct wireless control of all functions of the X-ray source
- › Pulse counting, rounds and delay time
- › No elevation of the X-ray source
- › Safe and arming with firing switch
- › Attaches to picatinny rails on Golden X-ray



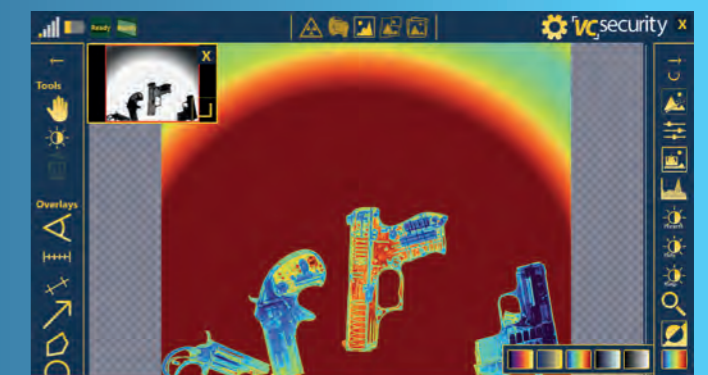
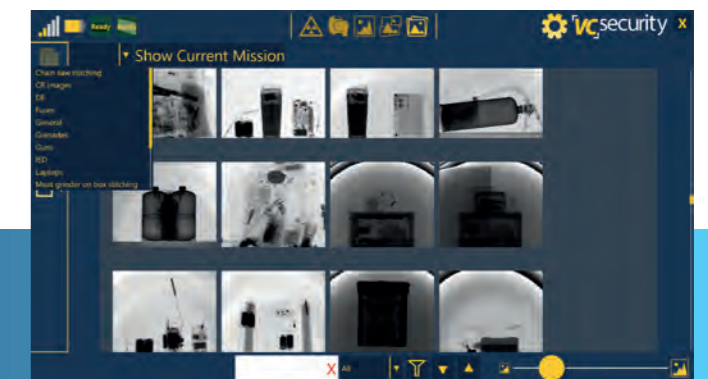
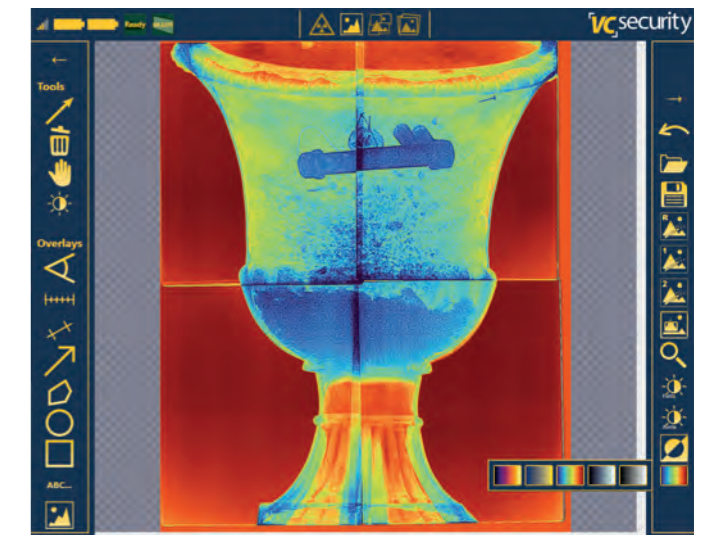
## X-ray Controller Options

- Standard
- Semi rugged
- Fully rugged
- MILSPEC
- Laptops and tablets
- Getac
- Panasonic
- Dell
- Logic



# Security Software - Technical specifications

- › High resolution and image enhancement filters for advanced visual inspection
  - › QuickEnhancer applying sophisticated filters automatically
  - › Advanced noise reduction
- › One pulse image, advanced emboss, window leveling, contrast and more
- › Stitching tool for stitching multiple images
- › Comprehensive measurement toolbox and decision assistance functions
  - › Measurement tools, angle, grid option, annotations, pseudo color
- › Material discrimination through Dual-Energy filter
  - › Differentiation between organic and inorganic material
- › Gallery for easy archiving and sorting
- › Worldwide service via online help, system is supported over an online connection



# X-ray Sources - Technical specifications



GE XR-150 new version



GE XRS-3 new version

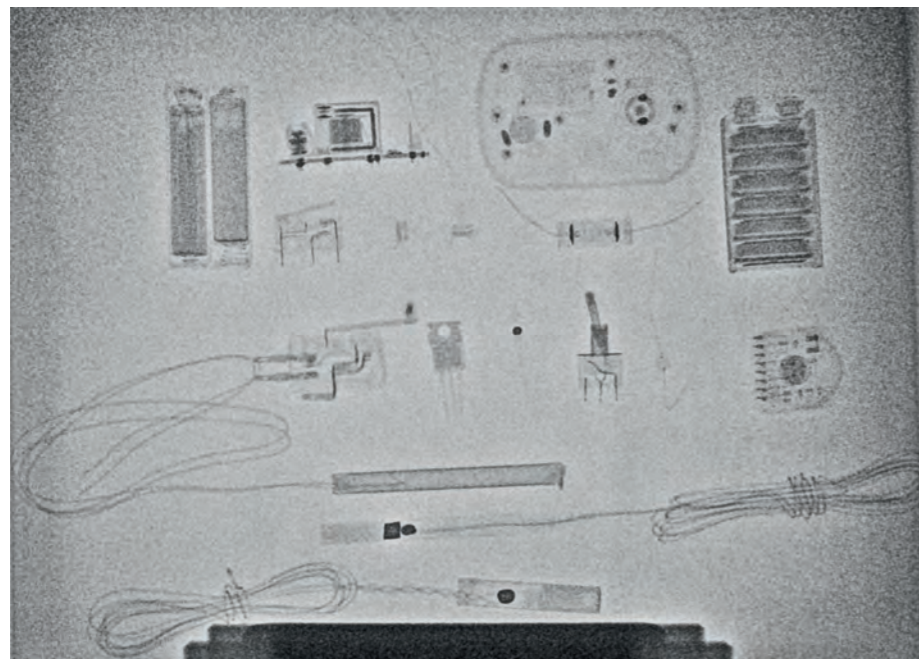
## Mechanical

External dimensions	231 mm x 77 mm x 104 mm	361 mm x 108 mm x 148 mm
Weight	2.2 Kg (4.9 lbs.) with battery	5.3 Kg (11.8 lbs.) with battery
Maximum photon energy	150 KVP	270 KVP

## Set content

GE generator, transport case, 2pcs batteries, manual trigger cable, battery-charger, manual

**i** GE XR200, XRS-4 and other continuous potential sources are available on request



Penetration of 20mm of steel from 80 cm distance with 10 pulses using the GE XRS-3

# Mosaic multi plate imaging kit (optional)

The VCsecurity mosaic multi plate imaging kit allows you to scan very large objects in one scan using multiple imaging plates. With our advanced automatic imaging stitching software, you can stitch up to 9 image plates in a single X-ray shot.

The kit provides you with all of the tools you need to set up a multi imaging plate shot with various tools that are designed for any scenario.



# eBox - Technical Specifications (image control unit)

- › Wireless, wired or hybrid communication between notebook / tablet and detector
- › Up to 400m line of sight (up to 1.500m with optional Repeater)
- › More than 6 hrs. of operation with internal battery
- › Unlimited operation with AC main supply and parallel battery charging
- › Integrated Li-Ion Battery 15 volts, 3.200mAh
- › 802.11n WiFi standard at 5Ghz, WPA2 AES
- › Weight 1.7 kg, dimensions 243 x 174 x 55 mm (without antenna)

### Set content

- › eBox unit, antennas, charger, cable set (incl. operation cable on a rugged reel with rugged connectors)
- Full system packed in a transport case with a backpack option



Rugged connector



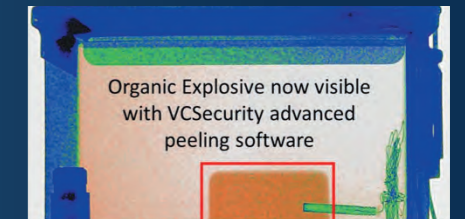
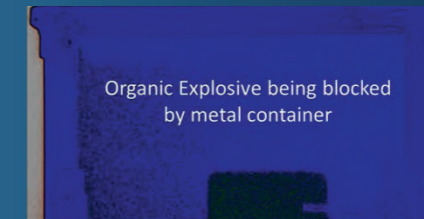
Mini case



# Optional Accessories

### Dual Energy module

- › Material-classification through Dual-Energy filter
- › Differentiation between organic, inorganic and mixed materials
- › Advanced peeling function to remove external inorganic layer



VCsecurity's advanced Dual Energy imaging software provides you the ability to „peel“ away layers and see what is behind higher *Z eff* materials. This advanced capability can help you to locate potential explosives main charges in an IED.



### 100-200 m fiber optical cable on reel

Fiber optical cable for wired connection between image control unit and notebook / tablet infrastructure. It allows safe working from distance under any circumstances.

### Tripod set

Tripod set for mounting X-ray generator and image detector

### Robot integration frame / C-arm

Exclusive full integration with Telerob GmbH (integration with most other robot models possible)



# VC security

by VisiConsult

Specifications can vary depending on X-ray equipment. Solutions can be customized in case of special requirements.

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**More information you can find on**

[vcsecurity.visiconsult.de](http://vcsecurity.visiconsult.de)

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