

THE ULTIMATE X-RAY SOLUTION



PORTABLE X-RAY SYSTEMS

Fast & Reliable solutions for EOD Operations



TELEDYNE ICM
Everywhereyoulook™

Part of the Teledyne Imaging Group

X-RAY SYSTEMS

X-RAY GENERATOR, DETECTOR, AND SOFTWARE IN ONE BUNDLE!

Discover our complete range of portable X-ray systems for EOD specialists. Fully developed in-house, these packages combine a detector, an X-ray generator, and Sherlock SEC, a state-of-the-art and user-friendly EOD inspection software.

Paired with Teledyne ICM's **CPBattery** X-ray generators (**CP120B**, **CP160B**, and **LiteX**), the **TactX/XL** detectors deliver a sharp, clear, and detailed image of any suspicious object, allowing fast and accurate decision makings in time critical moments. These high resolution detectors have been specially customized for EOD activities, with reduced dead-zones, improved connectivity features and an enhanced image quality. They are also fully compatible with Golden Engineering X-ray generators (equipped with 7-pin connection), offering greater flexibility for integration into existing security setups.

Sherlock SEC, Teledyne ICM's EOD inspection software has been developed both with and for EOD operators and is compatible with Teledyne ICM's complete range of portable X-ray systems. This intuitive and user-friendly software can be installed on multiple platforms (tablet, laptop) and manages all aspects of the systems, from the image acquisition and treatment to the wireless or cable connectivity of the different items with each other.

CONNECTIVITY



* TactX/XL: If wired, must be connected with Control Box accessory

1 X-RAY GENERATORS : CP120B, CP160B OR LITEX



LIGHT-WEIGHT



BATTERY OPERATED



SMALL FOCAL SPOT



WIRELESS OR CABLE



UP TO 160 kV



ROTATING TANK

Features	Unit	CP120B	CP160B	LITEX
Radiation geometry	-	Directional	Directional	Directional
Output voltage range	kV	40 to 120	40 to 160	40 to 120
Tube current range	mA	0.1 to 1.0	0.1 to 0.5	0.05 to 0.25
Tube current at full output	mA	1	0.5	0.25
Maximum power at the anode	W	120	80	30
Constant potential beam	-	Yes	Yes	Yes
Weight	kg / lbs	7.5 / 16.53	9.2 / 20.28	2.5 / 5.51
Overall dimensions	mm / in	ø 124 x 440 / ø 4.88 x 17.32	ø 124 x 490 / ø 4.88 x 19.29	306 x 126 x 90 / 12.04 x 4.96 x 3.54
Leakage dose at 1m at full output	mSv/h	< 2.0	< 2.0	< 2.0
Optical focal spot according to EN12543	mm	0.8 x 0.5	0.8 x 0.7	0.8 x 0.5
Maximum useful angle	°	50 x 50	60 x 60	50 x 50
Inherent filtration	mm	Equiv. 3.5 (Al)	Equiv. 3.5 (Al)	Equiv. 3.5 (Al)
Waterproof level	-	IP54	IP54	IP54
Operating temperature	°C / F°	-25 to +50 / -13 to +122	-25 to +50 / -13 to +122	-25 to +50 / -13 to +122
Storage temperature	°C / F°	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176	-40 to +80 / -40 to +176
Low battery level indicator	-	Built-in	Built-in	Built-in
ROV compatibilty	-	Comp. with major brands	Comp. with major brands	Comp. with major brands

ACCESSORIES FOR GOLDEN ENGINEERING USE*

1. GIB INTERFACE

2. MDB INTERFACE (MATERIAL DISCRIMINATION)

* Compatible with generators equipped with 7-pin connection



1.



2.



2

X-RAY DETECTORS : FLATSCANXS OR TACTX/XL



USER-FRIENDLY

DEVELOPED WITH
EOD TEAMS

IP 54 / IP 67



ULTRA LIGHT

UP TO 30°
ACTIVE AREA

FAST SET-UP



AED MODE*

Features	Unit	FLATSCAN15XS	FLATSCAN30XS	TACTX	TACTXL
Sensor type	-	Linear diode array	Linear diode array	aSi	aSi
Resolution	AWG / lp/mm	40 / 1.25	40 / 0.625	5.05	5.05
Pixel size	µm	400	400	99	99
Dynamic range (Grey levels)	bits	16	16	16	16
Active area	mm / in diag.	307 x 230 / 15.1	615 x 460 / 30	300 x 250 / 12 x 10	427 x 351 / 17 x 14
Maximum penetration					
- guaranteed	mm / in of steel	30 / 1.2 (with CP120B)	30 / 1.2 (with CP120B)	30 / 1.2 (with CP120B)	30 / 1.2 (with CP120B)
	mm / in of steel	40 / 1.6 (with CP160B)	40 / 1.6 (with CP160B)	40 / 1.6 (with CP160B)	40 / 1.6 (with CP160B)
- optimized	mm / in of steel	35 / 1.4 (with CP120B)	35 / 1.4 (with CP120B)	35 / 1.3 (with CP120B)	35 / 1.3 (with CP120B)
	mm / in of steel	45 / 1.8 (with CP160B)	45 / 1.8 (with CP160B)	45 / 1.7 (with CP160B)	45 / 1.7 (with CP160B)
Number of covered sides	-	3 (left, bottom, right)	3 (left, bottom, right)	3 (left, bottom, right)	3 (left, bottom, right)
Detector control	-	Sherlock SEC software	Sherlock SEC software	Sherlock SEC software / AED mode	Sherlock SEC software / AED mode
Dead zone	mm / in	5 / 0.2 (from bottom)	5 / 0.2 (from bottom)	2.8 / 0.11 (from bottom & left side)	2.8 / 0.11 (from bottom & left side)
External dimensions	mm / in	425 x 320 x 25 / 16.3x15.6x 1	665 x 628 x 25 / 26.2 x 24.7x 1	333 x 282 x 15 / 13 x 11 x 0.6	460 x 384 x 15 / 18 x 15 x 0.6
Weight	kg / lbs	2.7 / 5.95	5.46 / 12.04	~1.42 / ~3	~2.5 / ~5
Waterproof level	-	IP 54	IP 54	IP 67	IP 67
Operating temperature	°C / °F	-10 to +50 / +14 to +122	-10 to +50 / +14 to +122	-20 to +50 / -4 to +122	-20 to +50 / -4 to +122
Storage temperature	°C / °F	-10 to +65 / +14 to +149	-10 to +65 / +14 to +149	-20 to +65 / -4 to +149	-20 to +55 / -4 to +131
Communication protocols	-	Bluetooth / Wifi or cable driven (optional)	Bluetooth / Wifi or cable driven (optional)	Wifi or cable driven (optional)	Wifi or cable driven (optional)
Works with	-	CP120B / CP160B/LITEX	CP120B / CP160B/LITEX	CP120B / CP160B/LITEX / Golden Engineering (7 pin)	CP120B / CP160B/LITEX / Golden Engineering (7 pin)
Compatible Imaging Stations	-	Touchscreen tablet, notebook, toughbook, toughpad	Touchscreen tablet, notebook, toughbook, toughpad	Touchscreen tablet, notebook, toughbook, toughpad	Touchscreen tablet, notebook, toughbook, toughpad

*For TactX/XL only

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RUGGEDIZED TABLET WITH SHERLOCK SECURITY SOFTWARE

TOUCHSCREEN
SOFTWARE

PLUG AND PLAY

WIRELESS
OR CABLE

IMAGE EDITING



TELEDYNE FILTER

MATERIAL
DISCRIMINATION

SOFTWARE FEATURES

All-in-one touchscreen software

Available in 20 languages

Add unlimited users

Missions library to store all missions efficiently

Interconnected by cable or wireless

Fast image acquisition for time critical situations

Preset exposure configurations

High Penetration feature

Material discrimination scan (Dual Energy)

Local scan

Compatible with the XTK® software

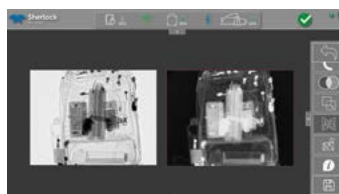


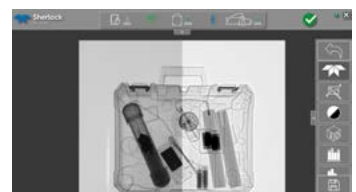
Image enhancement : side by side



Material Discrimination - Dual Energy



Image enhancement : images stitching

Image enhancement : before/after
Teledyne filter application

MULTIPLE IMAGE EDITING FEATURES

Automatic image enhancement filter (magic wand)
ROI (Region of Interest) enhancement
Teledyne filter
Histogram equalization
Emboss (3D)
Black & white
Pseudo-colour filter
Smart measurement tool

Greyscale feature
Annotation / Highlight features
Mirroring / Rotation
Side by side comparison
Multiple images stitching
Easy export/save images
Superpower Zoom (up to 500%)
Detailed Image information tag

AVAILABLE ACCESSORIES



TRIPOD



LATERAL FEET



TRANSPORT CASE



BACKPACK FOR
FS15XS + CPB



200M OPTICAL FIBER



50M CABLE NETWORK



WLAN REPEATER FOR
FLATSCAN



WIRELESS EXTENDER



RUGGEDIZED TABLET



DUAL ENERGY



CONTROL BOX FOR
TACTX/TACTXL



BATTERY FOR CPB



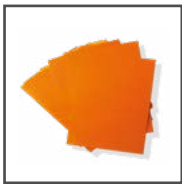
FLATSCAN BATTERY



PERSONAL
DOSIMETER



X-RAY APRON



PF FILMS 10"X 12"



STANDALONE REAL TIME X-RAY INSPECTION : C-VIEW SECURITY



BATTERY
OPERATED



CMOS
TECHNOLOGY



WIRELESS
OR CABLE



RUGGEDIZED



LIVE VIDEO



C-VIEWER APP

FACILITATE YOUR X-RAY INSPECTION WITH C-VIEW SECURITY

C-View Security is a live video X-ray imaging system specifically designed for hand-held inspections. This lightweight and ruggedized system includes a high-speed, high-resolution CMOS imager and a battery-operated 70kV X-ray tube designed for portable field operation.

The video imaging system allows first responders to instantly visualize the inside of a suspicious item on an integrated display, making it ideal for rapid threat/no-threat assessment in time-critical situations. Thanks to its mobility and ease of use, **C-View Security** can be deployed across a wide range of environments, including football stadiums, concert venues, airports, railway stations, and other public or high-traffic areas. Save precious time in critical situations with this high-resolution imager.



Features	Unit	C-VIEW SECURITY
GENERAL		
Technology	-	CMOS Active Pixel
Pixel pitch	µm	99
Active area	mm/in	102 x 153 / 4 x 6
Active resolution	pxl	1032 x 1548
BANDWIDTH		
Data interface	-	Wi-Fi or Ethernet cable (optional)
Frame rate	fps	up to 30
POWER CONSUMPTION		
Power supply	-	18V Dewalt battery
X-ray max power output	W	12
Battery performance	-	~2 (with 5 Ah battery)
INTEGRATION		
Dimension detector head	mm/in	292x195x61.5 / 11.50x7.68x2.42
Overall dimension	mm/in	823x292x504 / 32.40x11.5x19.84
Weight	Kg/lbs	< 6.5 / 14.3
Adjusting source - detector distance	mm/in	300 - 650 / 11.81 - 25.59
ENVIRONMENTAL		
Operating temperature	°C/°F	-20, +50°C / -4, +122°F
Storage temperature	°C/°F	-30, +60°C / -22, +140°F
Humidity	% R.H.	20 - 80
IP Range	-	IP65 (excluding battery)
Software / app		Works with C-Viewer app, multiple simultaneous displays, video recording, snapshot, x-ray settings, ...



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All specifications are non contractual and subject to change without prior notice.

SAFETY WARNINGS. The Goods can cause death, personal injury or property damage if they are used, operated, maintained, stored or disposed of improperly. In particular, the Goods may emit x-ray radiation, so adequate safety precautions must be taken to minimize exposure. At a minimum, Buyer should adhere to the ALARA (as low as reasonably achievable) principle and should comply with all applicable regulations relating to protection against x-ray emissions.

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