

The Leaders in Portable X-Ray Systems

## Urban III System



NOVO Mesh System -  
Unmatched Wireless Performance



### Covert, Lightweight Backpack System

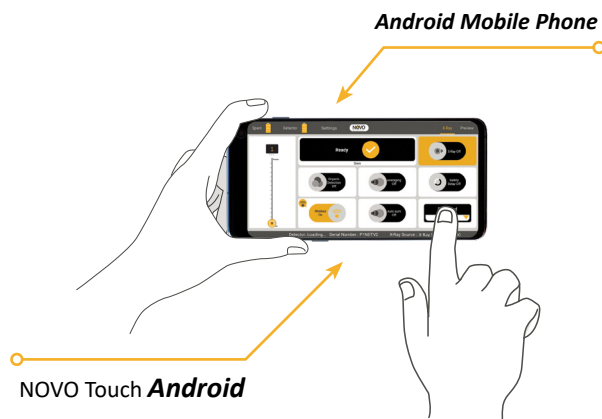
- 15WS Detector- only 3.5 lbs. (1.6kg) with battery
- Wired & wireless operation modes
- 10" 1500 NIT touch handheld tablet / Android phone
- MIL-DTL 38999 connectors
- Supports multi-tablet control & display
- Operates with NOVO Touch Software
- Compatible with XTK

# System Overview



**Improved Genie Algorithm -**  
*pulls out minute details 4 times faster!*

## Android Mobile Option:



## Windows Option:

NOVO Bright S 10" Tablet &  
NOVO Touch Windows Software



Wireless Ranger



Golden X-Ray Generator

Spark Mesh Controller



Bipod

NOVO 15WS Detector

## Wired Operation:



USB to Comm Adapter

10m Communication Split Cable

Urban Backpack

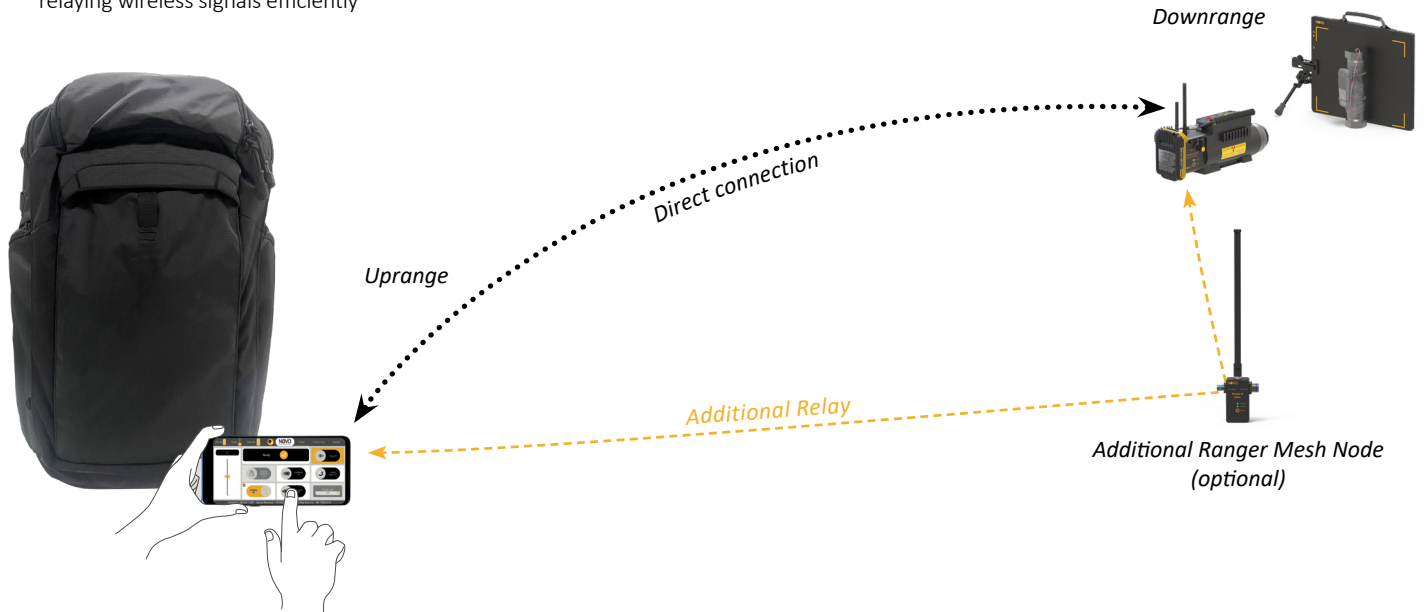




# NOVO Wireless Mesh Technology

Unique technology providing unmatched wireless performance:

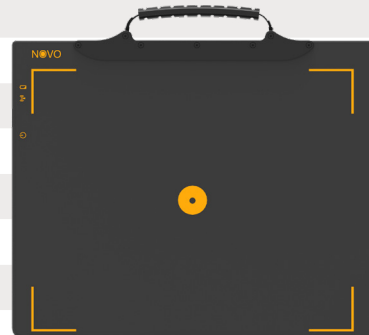
- Strong signal stability in crowded RF environments, especially ideal for urban scenarios
- Up to 0.31 miles (500m) LOS between Nodes
- Multiple Nodes allow for working “around corners”, obstacles and subterranean operations
- Each wireless unit becomes a relay Node, automatically connecting and relaying wireless signals efficiently



## Components

### Detector

Detector Model	NOVO 15WS
Steel Penetration *	3.5" (90mm)
Detector Weight (Including Battery)	3.5 lbs. (1.6kg)
Detector Load Proof	660 lbs. (300kg)
Detector Imaging Area	9.1" x 11.2" (23.1cm x 28.4cm)
Detector Size	10.6" x 12.9" (26.9cm x 32.9cm)
Active Area (Imaging Area / Detector Size)	74% Active Area
Detector Drop Test	40" (100cm)
Detector Thickness	0.6" (15.6mm)
Bit Depth	16 bit latest generation
Connector	Magnetic Dual Direction Connector



NOVO 15WS 3.5 lbs. (1.6kg)

\* Tested with Golden XRS-3 at ~10" (25cm)

# Components

## Controllers



	Spark Mesh	Spark III
Controller Weight	0.9 lbs. (0.4kg)	0.7 lbs. (0.3kg)
Battery	6 hours* battery with 4000 pulses	6 hours built-in battery
Wireless Range	Up to 0.31 miles (500m) Line of Sight	Up to 0.24 miles (400m) Line of Sight
Connectors	DeWalt 20V mount	MIL-DTL 38999 connectors
Golden Generators Supported	DeWalt 20V	All
Quick Connection to Generator	✓	✓
Weatherproof	✓	✓
LED Indications	✓	✓
Supports Golden On/Off & Battery Status Info	✓	✓

\* Tested with Golden XR150

## Tablets (Most popular)



	Panasonic Toughbook® CF-33	NOVO Bright S	Panasonic Toughpad™ FZ-G2	Samsung S22
Screen Size	12"	10.1"	10.1"	6.1"
Screen Resolution	2160 x 1440	1920 x 1200	1920 x 1200	2340 x 1080
Screen Brightness (NIT)	1200	1500 (!) Super Brightness	1000	980
Touch Screen	✓	✓	✓	✓
Operating System	Windows 10	Windows 10	Windows 10	Android
Battery Operation Time at 800 NIT	8 hours	6+ hours	5+ hours	10+ hours

\*Additional tablets and laptops supported



# Components

## X-Ray Generators



	Litex	XR150	XR200	XRS-3	XRS-4
KVP	120	150	150	270	370
Weight	5.6 lbs. (2.5kg)	5.9 lbs. (2.7kg)	10.7 lbs. (4.8kg)	11.8 lbs. (5.3kg)	18.3 lbs. (8.3kg)
Size	11.7" x 3.2" x 4.7" (29.9cm x 8.2cm x 12cm)	10.4" x 3.5" x 4.7" (26.6cm x 9cm x 12.1cm)	10.7" x 4.3" x 5.8" (27.2cm x 10.8cm x 14.8cm)	14.2" x 4.3" x 5.8" (36.1cm x 10.9cm x 14.8cm)	19.3" x 4.8" x 7.1" (48.9cm x 12.2cm x 17.9cm)

*\*Supports Additional X-Ray Generators*

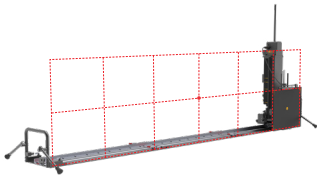
# Accessories



## Supporting NOVO Mesh Technology

### Folding Slider L

Ideal for screening large objects

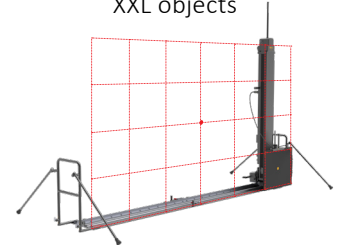


Elevated Mode



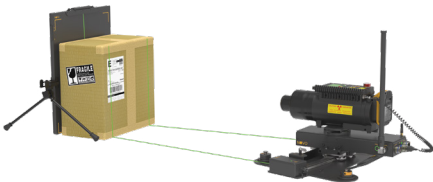
### Folding Slider XXL

Super sized, ideal for screening XXL objects



### 3D Arc

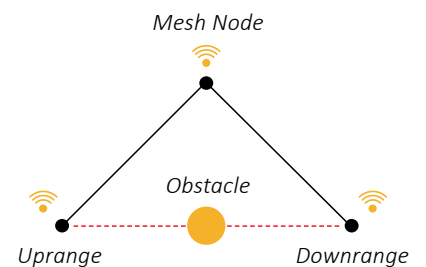
3D automated imaging with exact X, Y, Z measurements



### Additional Ranger Mesh Node



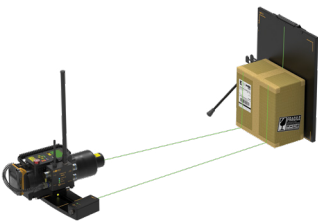
Multiple Nodes allow for working "around corners", obstacles and subterranean operations.



## Additional Accessories

### 3D Arc Lite

Small 3D Imaging with exact X, Y, Z measurements



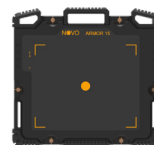
### Extension Cables

Available at 50m, 100m and 150m for a total of 300m



### Protective Casing

Armor



Soft Cover



### Diagonal Tripod Mount

Firmly holds 12/15/22" detectors and provides various positioning options



### Lookout

Organic detection, live Video & Audio



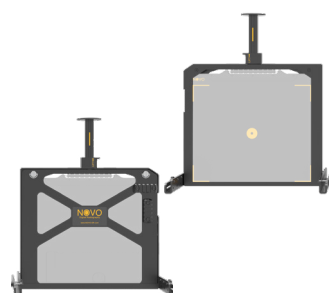
### Robot C-Arm

Detector and X-Ray Holder



### Robot Detector Frame

Lightweight, shock absorbing



Compatible with the XTK® Software

For detailed information, please review the [EOD & Special Forces Accessories](#) and [Robot Accessories](#) brochures.