

The Leaders in Portable X-Ray Systems

# Ultimate III System



NOVO Mesh System -  
Unmatched Wireless Performance



## Large Format Deployable Backpack

- 22WS Detector- only 6.1 lbs. (2.8kg) with battery
- Wired & wireless operation modes
- 10" 1500 NIT touch handheld tablet / Android phone
- MIL-DTL 38999 connectors
- Supports multi-tablet control & display
- 50m of cable on a lightweight reel
- Operates with NOVO Touch Software
- Compatible with XTK

# System Overview

NOVO Bright S 10" 1500 NIT Tablet  
& NOVO Touch Windows Software



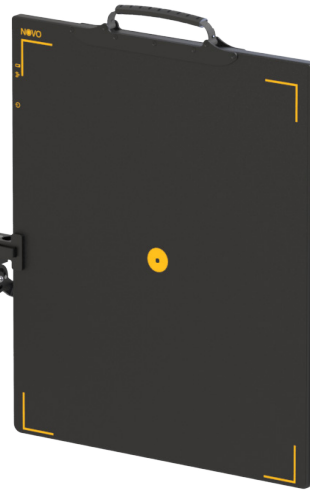
*Improved  
Genie Algorithm  
- pulls out minute  
details 4 times  
faster!*



Wireless Ranger III Mesh (Node)



Bipod



NOVO 22WS Detector



Golden X-Ray Generator

Falcon III Mesh Controller

## Wired Operation:

50m Lightweight Power  
& Communication Cable



Ultimate Backpack

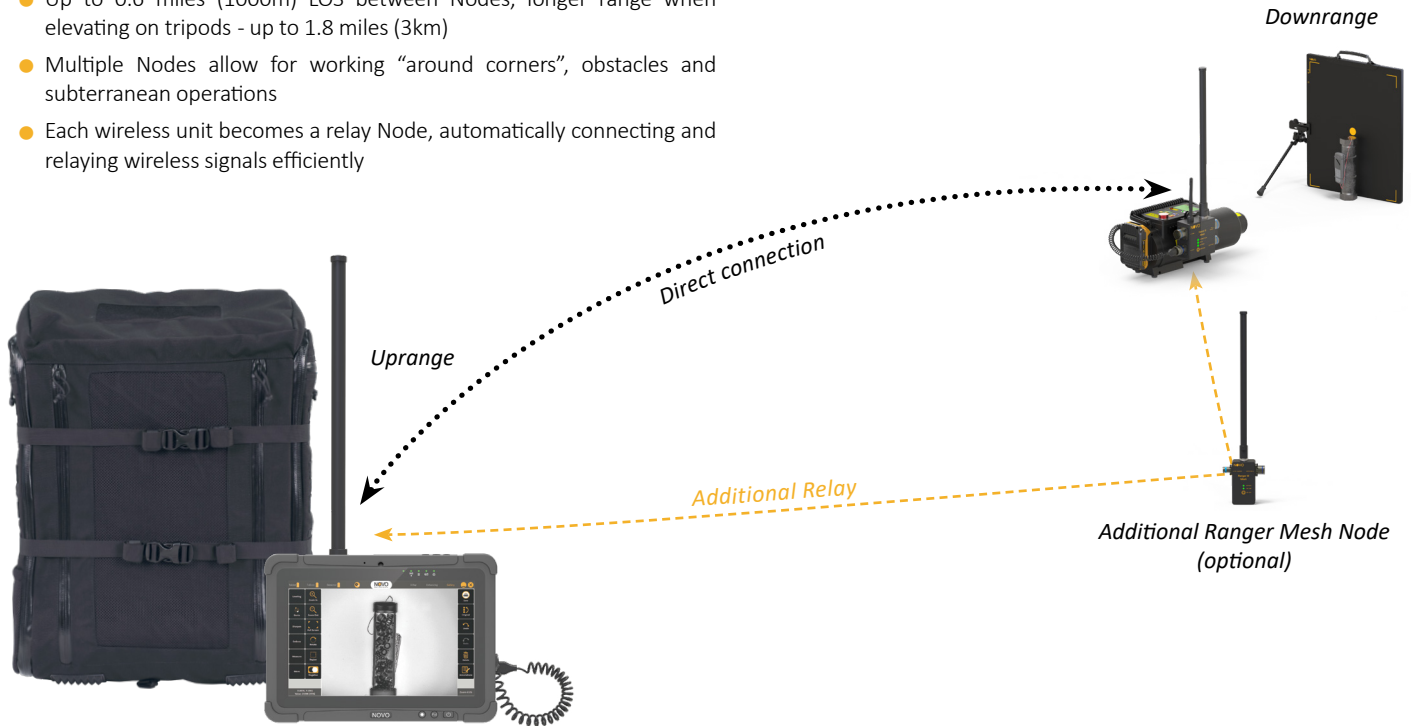




# NOVO Wireless Mesh Technology

Unique technology providing unmatched wireless performance:

- Strong signal stability in crowded RF environments, especially ideal for urban scenarios
- Up to 0.6 miles (1000m) LOS between Nodes, longer range when elevating on tripods - up to 1.8 miles (3km)
- 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

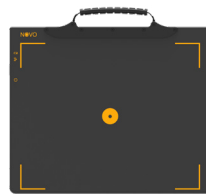


## Components

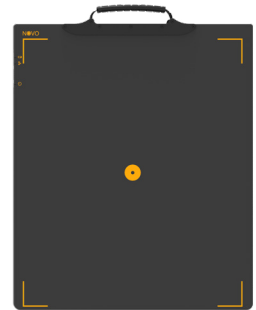
### Detector Options



NOVO 12SF  
2.2 lbs. (1kg)



NOVO 15WS  
3.5 lbs. (1.6kg)



NOVO 22WS  
6.1 lbs. (2.8kg)

Detector Model	NOVO 12SF	NOVO 15WS	NOVO 22WS
Steel Penetration *	3.5" (90mm)	3.5" (90mm)	3.5" (90mm)
Detector Weight (Including Battery)	2.2 lbs. (1kg)	3.5 lbs. (1.6kg)	6.1 lbs. (2.8kg)
Detector Load Proof	440 lbs. (200kg)	660 lbs. (300kg)	660 lbs. (300kg)
Detector Imaging Area	6.75" x 10.1" (17.2cm x 25.8cm)	9.1" x 11.2" (23.1cm x 28.4cm)	13.9" x 16.7" (35.5cm x 42.6cm)
Detector Size	7.7" x 11.1" (19.5cm x 28.2cm)	10.6" x 12.9" (26.9cm x 32.9cm)	15.2" x 18.3" (38.5cm x 46.5cm)
Active Area (Imaging Area / Detector Size)	80% Active Area	74% Active Area	85% Active Area
Detector Drop Test	40" (100cm)	40" (100cm)	40" (100cm)
Detector Thickness	0.6" (15mm)	0.6" (15.6mm)	0.6" (15.6mm)
Bit Depth	16 bit latest generation	16 bit latest generation	16 bit latest generation
Connector	Magnetic Dual Direction Connector	Magnetic Dual Direction Connector	Magnetic Dual Direction Connector

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



# Components

## Falcon III Mesh Controller

- 2 lbs. (0.9kg)
- Unlimited operation with AC (POE)
- 6 hours Built-in Battery
- Wired/Semi Wired /Wireless Communication
- Supports all Golden Generators
- MIL-DTL 38999 connectors
- Weatherproof
- LED Indications
- Supports Parallel Multi Location Control & Display
- Supports Golden On/Off & battery status info
- Integration module for robots with quick connection



## Tablets (Most popular)



	Panasonic Toughbook® CF-33	NOVO Bright S	Panasonic Toughpad™ FZ-G2	Samsung Galaxy S
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

## 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

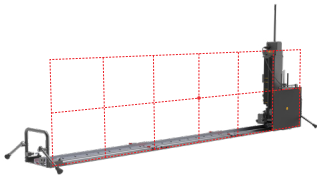
# Accessories



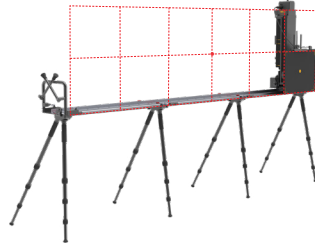
## Supporting NOVO Mesh Technology

### Folding Slider L

Ideal for screening large objects

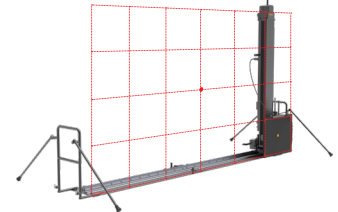


Elevated Mode



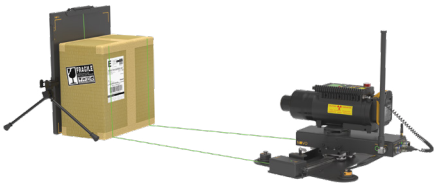
### Folding Slider XXL

Super sized, ideal for screening XXL objects



### 3D Arc

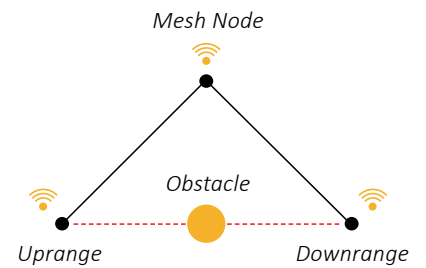
3D automated imaging with exact X, Y, Z measurements



### Additional Ranger Mesh Node



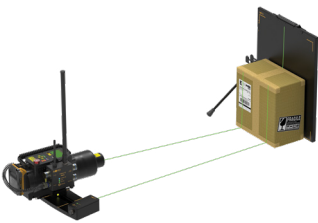
Multiple Nodes allow for working "around corners", obstacles and subterranean operations.



## Additional Accessories

### 3D Arc Lite

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



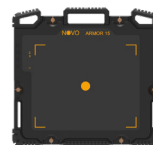
### Extension Cables

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



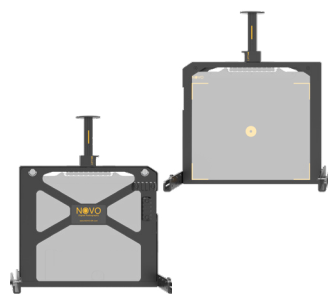
### Robot C-Arm

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.