

The Leaders in Portable X-Ray Systems

Ultimate III System



NOVO Mesh Technology -
Unmatched Wireless Performance

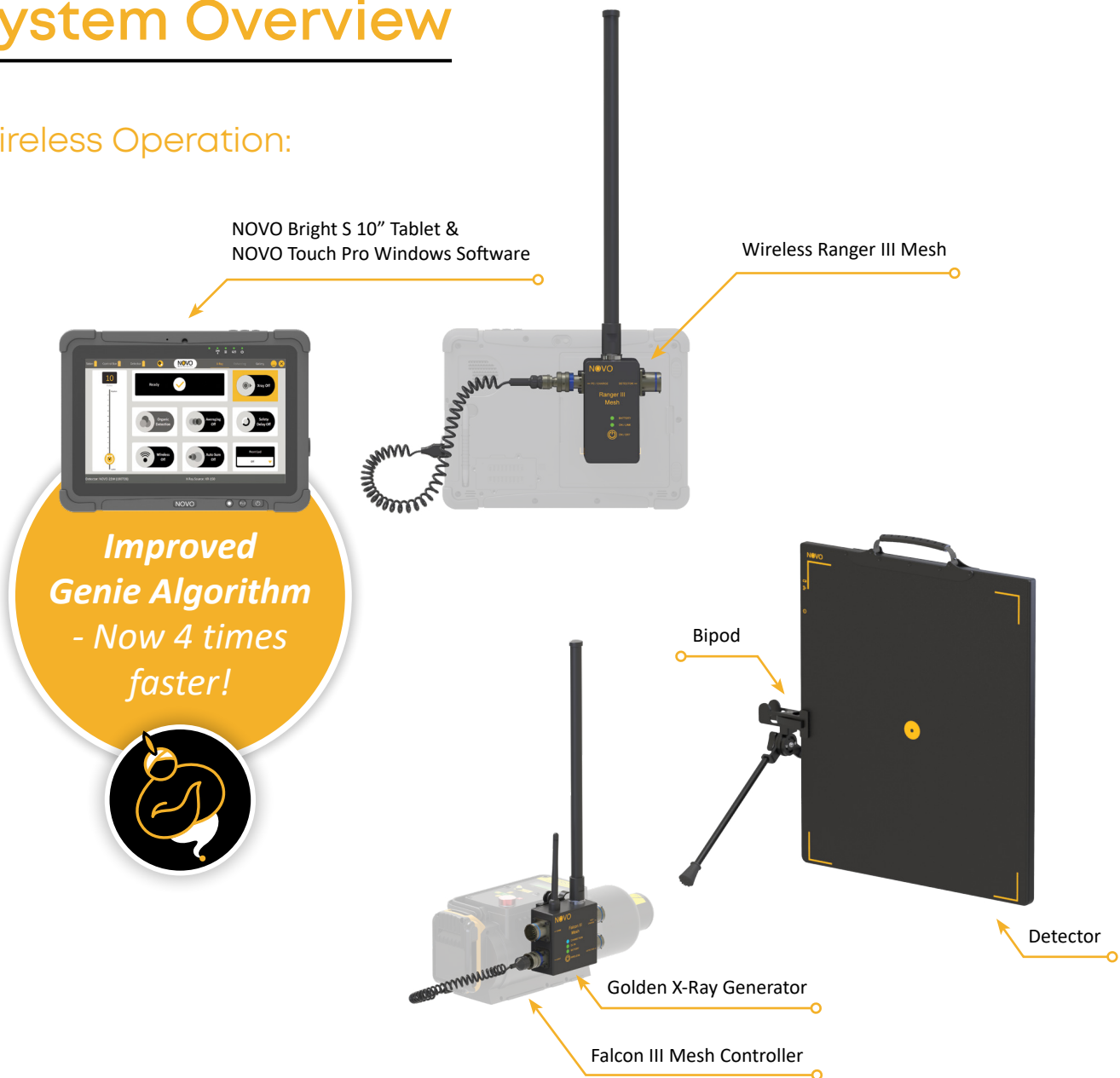


Large Format Backpack System

- 12/15/22WN Detector options
- Wired & wireless operation modes
- 10" 1500 NIT touch handheld tablet / Android Phone
- MIL-DTL 38999 connectors
- Supports multi-tablet control & display
- 35m cable on a lightweight reel
- Includes NOVO Touch Pro full Software package

System Overview

Wireless Operation:



Wired Operation:



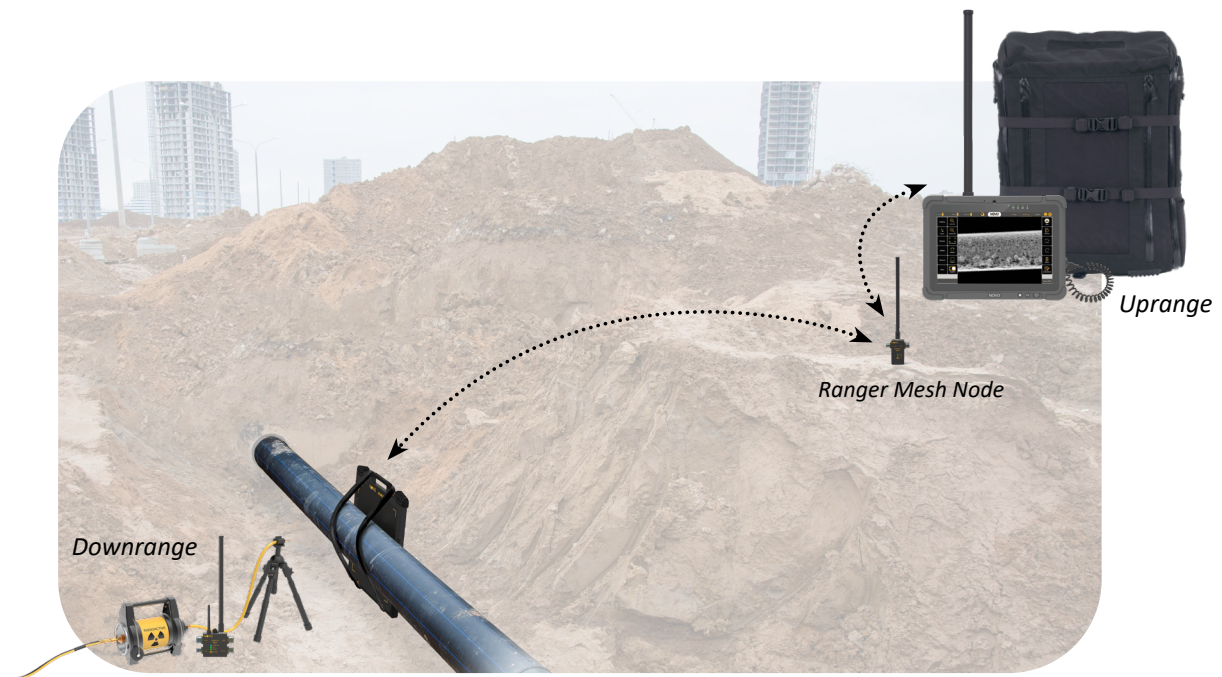
* Smaller Backpacks Available



NOVO Wireless Mesh Technology

Unique technology providing unmatched wireless performance:

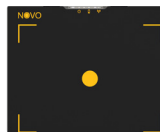
- High signal stability in crowded RF environments, such as urban locations and areas with strong electromagnetic fields
- Up to 0.6 miles (1000m) LOS between wireless devices; longer range when elevating on tripods - up to 1.8 miles (3km)
- Multiple wireless devices allow for working "around corners", obstacles and underground operations
- Each wireless unit becomes a relay (repeater), which automatically connects and automatically relays wireless signals efficiently



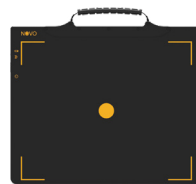
Components

Detector Options

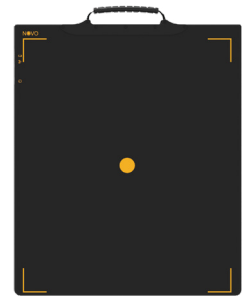
- Internally shielded - long life span
- High radiation resistance
- Low internal scattering - higher image quality



NOVO 12HRN
5.3 lbs. (2.4kg)



NOVO 15WN
5.3 lbs. (2.4kg)



NOVO 22WN
9.4 lbs. (4.3kg)

Detector Model	NOVO 12HRN	NOVO 15WN	NOVO 22WN
Detector Imaging Area	6.8" x 9.0" (17.3cm x 22.9cm)	9.1" x 11.2" (23.1cm x 28.4cm)	14.0" x 16.8" (35.6cm x 42.7cm)
Active Area (Imaging Area / Detector Size)	74% Active Area	74% Active Area	85% Active Area
Detector Weight (Including Battery)	5.3 lbs. (2.4kg)	5.3 lbs. (2.4kg)	9.4 lbs. (4.3kg)
Detector Load Tolerance	660 lbs. (300kg)	660 lbs. (300kg)	660 lbs. (300kg)
Detector Drop Test	27.5" (70cm)	20" (50cm)	20" (50cm)
Detector Thickness	1.1" (27.5mm)	0.6" (15.6mm)	0.6" (15.6mm)
Bit Depth	16 bit latest generation	16 bit latest generation	16 bit latest generation
Life Span	Over 100K rem*	Over 100K rem*	Over 100K rem*

* Over 100K rem of direct exposure on the detector

Components

Falcon III Mesh Controller

- Full control of industrial & Golden Generators
- MIL-DTL 38999 connectors
- Only 2 lbs. (900 grams)
- Unlimited operation with AC (POE)
- 6 hours Built-in Battery
- Wired/Semi Wired /Wireless Communication
- Wireless Up to 0.6 miles (1000m) Line of Sight
- Controls All Golden Generators
- Weatherproof design
- LED Indications
- Supports Parallel Multi Location Control & Display



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

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. (2.7 kg)	10.7 lbs. (4.8 kg)	11.8 lbs. (5.3 kg)	18.3 lbs. (8.3 kg)
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

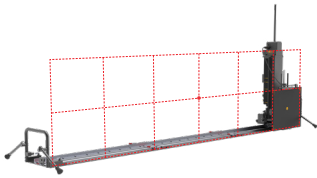
Accessories



Supporting NOVO Mesh Technology

Folding Slider L

Ideal for screening large objects

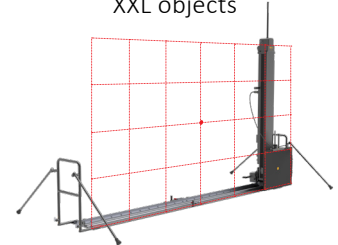


Elevated Mode



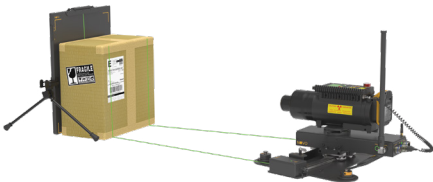
Folding Slider XXL

Super sized, ideal for screening XXL objects



3D Arc

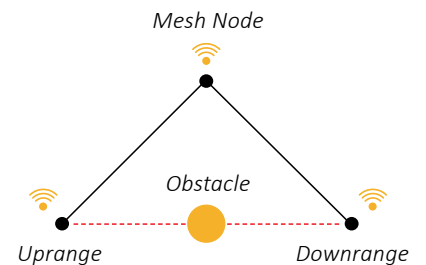
3D automated imaging with exact X, Y, Z measurements



Additional Ranger Mesh Node



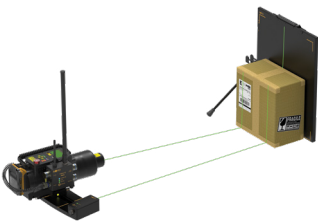
Multiple Nodes allow for working "around corners", obstacles and subterranean operations.



Additional Accessories

3D Arc Lite

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



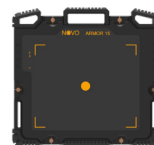
Extension Cables

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



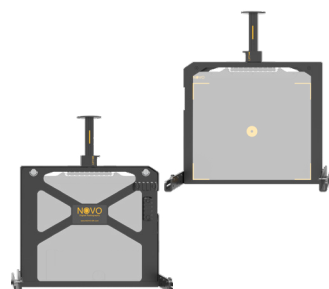
Wireless X-Ray

Enables control of X-Ray sources without an X-Ray sync cable



Robot Detector Frame

Lightweight, shock absorbing



Robot C-Arm

Detector and X-Ray Holder



For detailed information, please review the [NDT Accessories brochure](#).