

The Leaders in Portable X-Ray Systems

Shadow III System



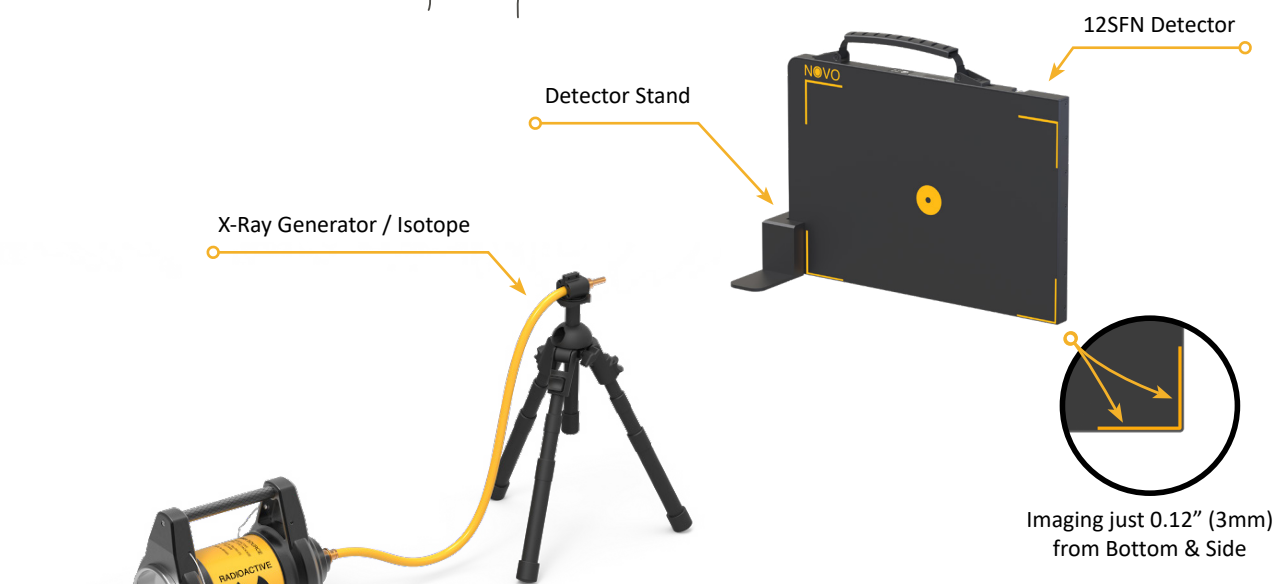
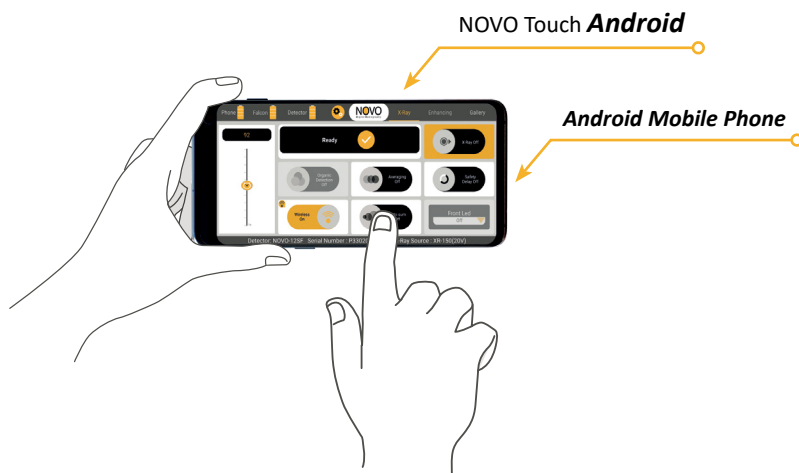
NOVO Mesh Technology -
Unmatched Wireless Performance



Ultra Compact System - Ideal for hard to reach locations

- Android Phone / Windows tablet operation
- 12SFN Detector - Detector weighs only 2.6 lbs. (1.2kg) with battery
- Imaging just 0.12" (3mm) from bottom & side
- Wired & wireless operation modes
- Full working system from ~8.8 lbs. (4kg), housed in one Backpack
- Includes NOVO Touch Pro full Software package + NOVO Touch Android App

System Overview



System Operation Modes

Android / Windows - Wireless & Wired Operation

Android Wireless Setup



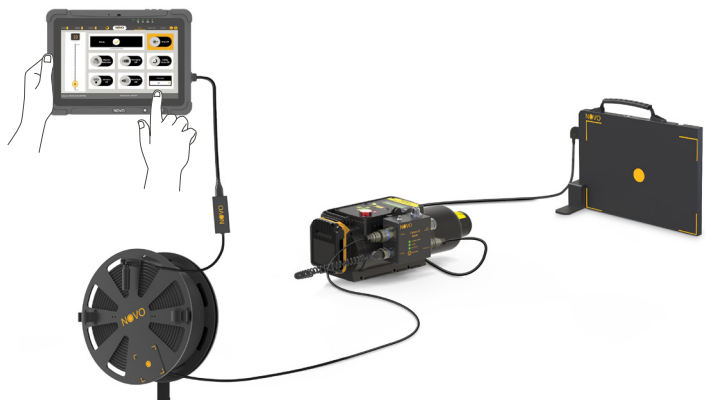
Android Wired Setup



Windows Wireless Setup



Windows Wired Setup



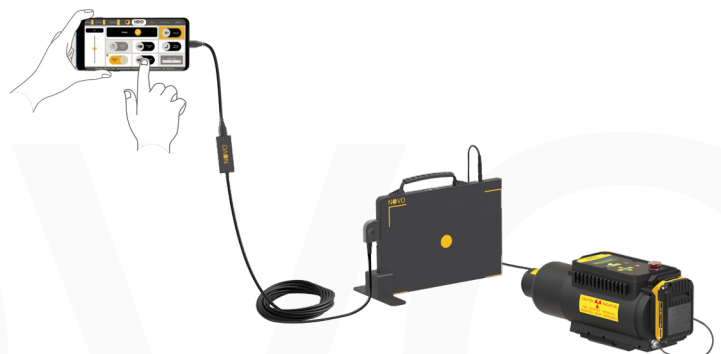
Optional

Automatic Exposure Detection (AED)

- No Mobile Phone / Tablet, no cables - take only Detector & Source to the job site!
- On-board internal memory enables saving up to 100 images
- Image acquisition starts immediately when Sensor detects radiation



Direct Wired Setup



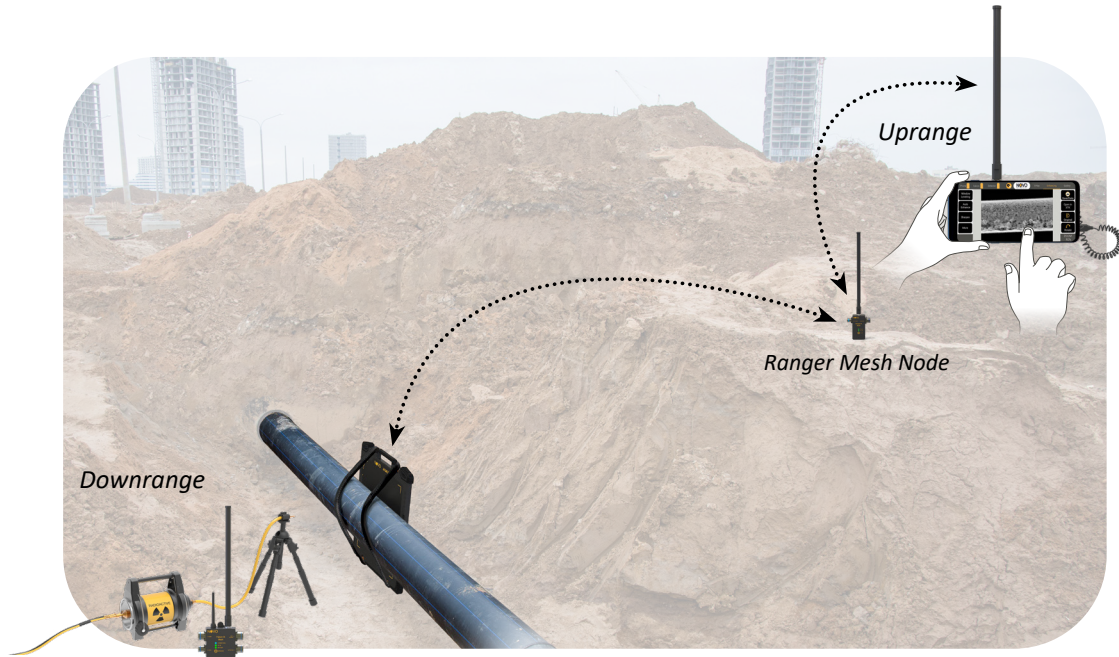
* Can be swapped with a Windows Tablet



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

- Lightest in the Market
- High Durability
- LCD Display

Detector Model	NOVO 12SFN
Bezel	0.12" (3mm) from bottom & side
Detector Weight (Including Battery)	2.6 lbs. (1.2kg)
Detector Load Tolerance	440 lbs. (200kg)
Detector Imaging Area	6.75" x 10.1" (17.2cm x 25.8cm)
Detector Size	7.7" x 11.1" (19.5cm x 28.2cm)
Detector Drop Test	31.5" (80cm)
Detector Thickness	0.6" (15mm)
Bit Depth	16 bit latest generation
Connector	Magnetic Dual Direction Connector
Life Span	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)



	Samsung S22	NOVO Bright S	Panasonic Toughpad™ FZ-G2
Screen Size	6.1"	10.1"	10.1"
Screen Resolution	2340 x 1080	1920 x 1200	1920 x 1200
Screen Brightness (NIT)	980	1500 (!) Super Brightness	1000
Touch Screen	✓	✓	✓
Operating System	Android	Windows 10	Windows 10
Battery Operation Time at 800 NIT	10+ hours	6+ hours	5+ 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. (2.7 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)

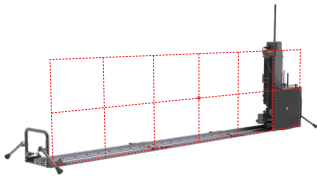
Accessories



Supporting NOVO Mesh Technology

Folding Slider L

Ideal for screening large objects

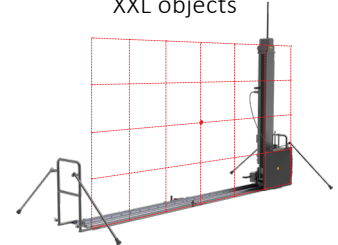


Elevated Mode



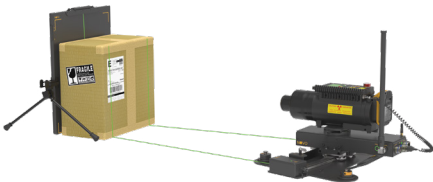
Folding Slider XXL

Super sized, ideal for screening XXL objects



3D Arc

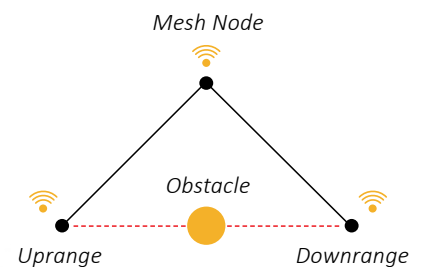
3D automated imaging with exact X, Y, Z measurements



Additional Ranger Mesh Node



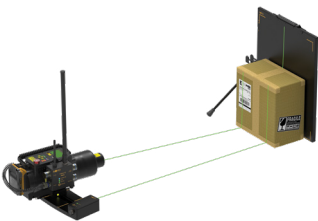
Multiple Nodes allow for working "around corners", obstacles and subterranean operations.



Additional Accessories

3D Arc Lite

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



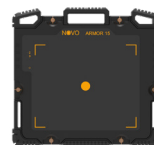
Extension Cables

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



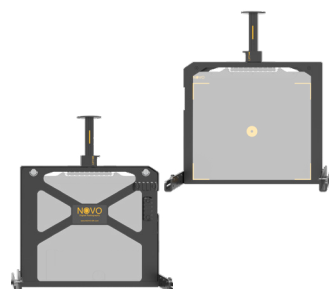
Wireless X-Ray

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](#).