NOVO
Digital Radiography

The Leaders in Portable X-Ray Systems

Rover III System

M

NOVO Mesh System -
Unmatched Wireless Performance

Top of the Line System in a Rugged Pelican Case

- 22WS Detector- only 6.1 lbs. (2.8kg) with battery
- Wired & wireless operation modes
- 21.5" 1500 NIT battery-operated touch tablet
- 6 hours System Operation at Standard 800 NIT, with optional 1500 NIT upon request

- MIL-DTL 38999 connectors
- Supports multi-tablet control & display
- 50m cable on a rugged reel
- Operates with NOVO Touch Software
- Compatible with XTK

System Overview

Bipod

Golden X-Ray Generator

NOVO 22WS Detector

Falcon III Mesh Controller

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

Wireless Ranger III Mesh (Node)

NOVO Bright XL 21.5" 1500 NIT Tablet & NOVO Touch Software

Power & Communication Hub III

MIL DTL 38999 Connectors

50m Lightweight Power & Communication Cable

Custom Pelican Air 1607 Case

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
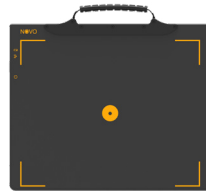- Each wireless unit becomes a relay Node, automatically connecting and relaying wireless signals efficiently
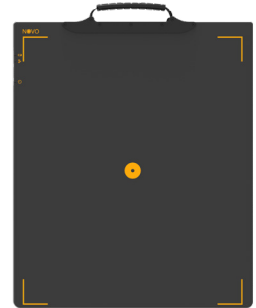
Downrange

Direct connection

Uprange

Additional Relay

Additional Ranger Mesh Node (optional)
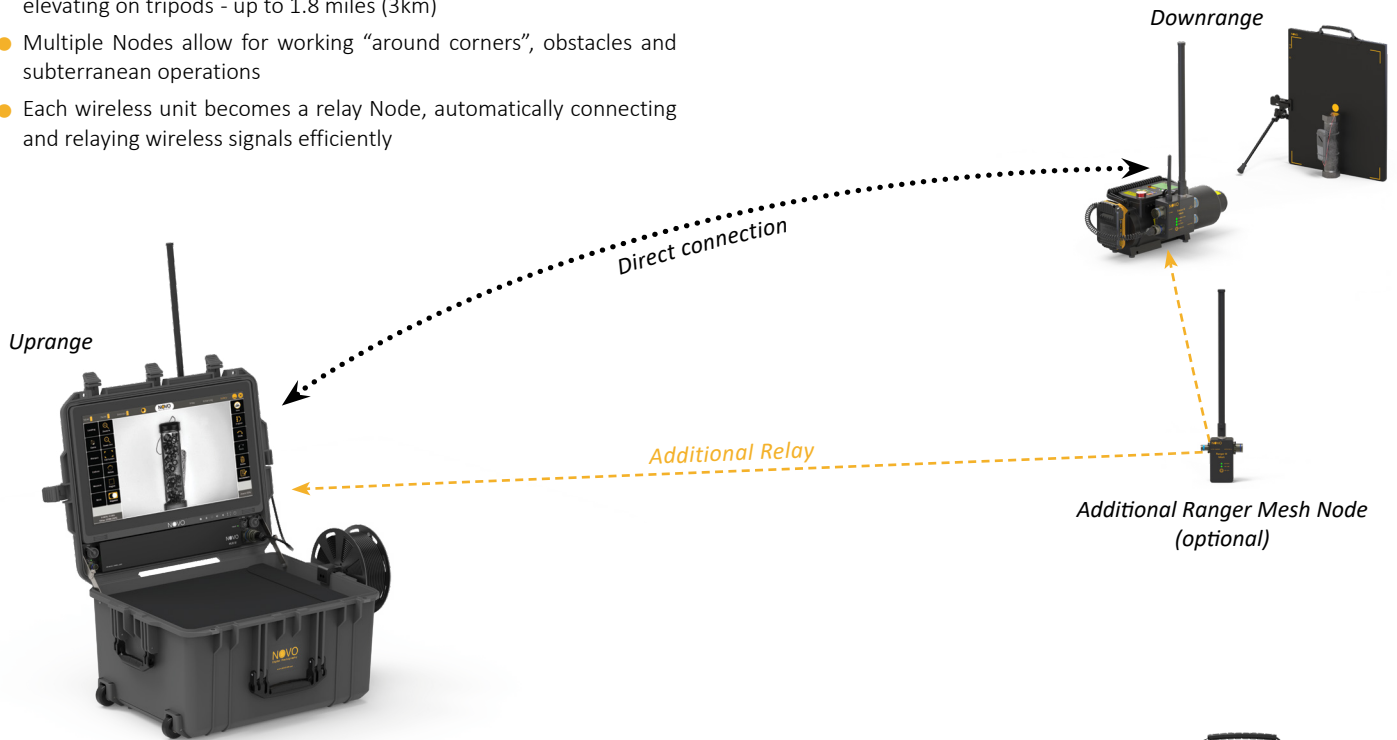
Components

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" (15mm)	0.6" (15mm)
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)*

	NOVO Bright XL	NOVO Bright L	NOVO Bright S	Panasonic Toughbook® CF-33	Panasonic Toughpad™ FZ-G2	Samsung Galaxy S
Screen Size	21.5"	17"	10.1"	12"	10.1"	6.1"
Screen Resolution	1920 x 1080	1920 x 1200	1920 x 1200	2160 x 1440	1920 x 1200	2340 x 1080
Screen Brightness (NIT)	1500 (!) Super Brightness	1500 (!) Super Brightness	1500 (!) Super Brightness	1200	1000	980
Touch Screen	✓	✓	✓	✓	✓	✓
Operating System	Windows 10	Windows 10	Windows 10	Windows 10	Windows 10	Android
Battery Operation Time at 800 NIT	6+ hours	7+ hours	6+ hours	8 hours	5+ hours	10+ hours

Additional tablets and laptops supported

Power & Communication Hub III

- Provides both power and data communication
- MIL-STD 38999 Connectors
- USB 3.0 Fast Data Ports – USB C, USB A
- Direct HDMI Connection to Bright XL Tablets

Components

X-Ray Generators

XRS-4

XRS-3

XR200

XR150

LiteX

	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

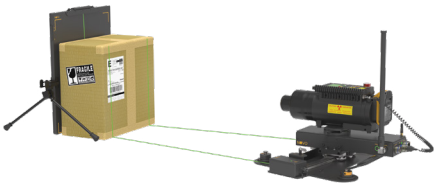Ideal for screening large objects
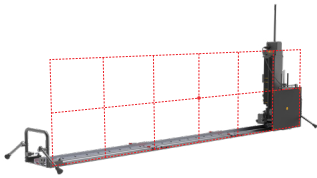
Elevated Mode
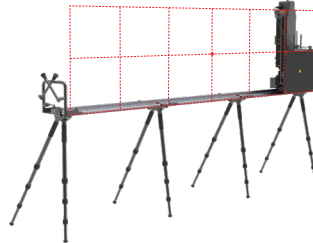
Folding Slider XXL

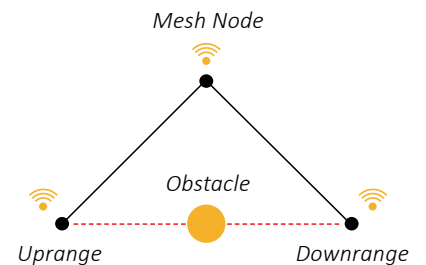Super sized, ideal for screening XXL objects
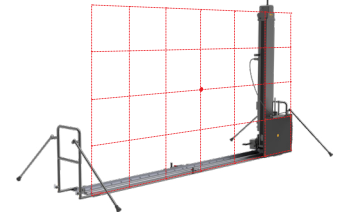
3D Arc

3D automated imaging with exact X, Y, Z measurements
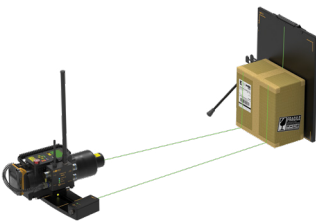
Additional Ranger Mesh Node

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

Mesh Node

Obstacle

Uprange   Downrange

Additional Accessories

3D Arc Lite

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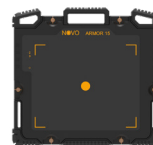
Extension Cables

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

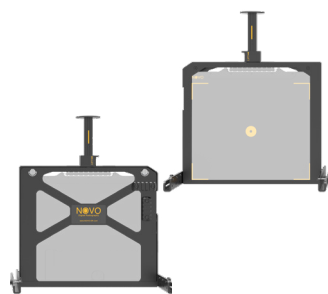Organic detection, live Video & Audio

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.