

PROUDLY SUPPLYING THE **NDT** INDUSTRY FOR OVER **40 YEARS**



SHADOW III SYSTEM

ULTRA COMPACT SYSTEM

JME
ADVANCED INSPECTION SYSTEMS

IN ASSOCIATION WITH

NOVO
Digital Radiography

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jme-advanced-inspection-systems



/JMElimited

Ultra Compact System

- Android Phone / Windows tablet operation
- 12SFN Detector - Detector weighs only 2.6 lbs. (1.2kg) with battery
- Imaging just 0.12" (3mm) from bottom and side
- Wired and 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



**Improved
Genie Algorithm**
- Now 4 times
faster!

System Overview



System Operation Modes

Android / Windows - Wireless and Wired Operation

Android Wireless Setup



Android Wired Setup



Windows Wireless Setup



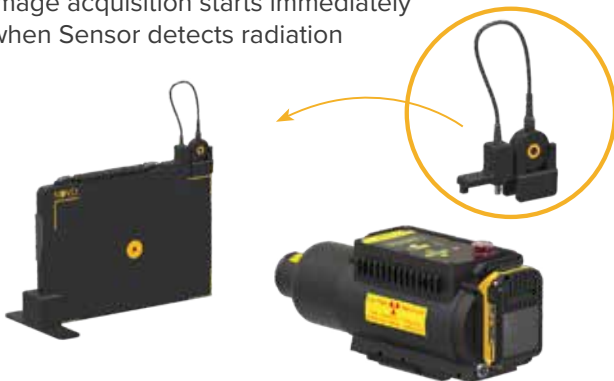
Windows Wired Setup



Optional

Automatic Exposure Detection (AED)

- No Mobile Phone / Tablet , no cables - take only Detector and 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 and 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

Falcon III Mesh Controller

- Full control of industrial 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
- Weatherproof design
- LED Indications
- Supports Parallel Multi Location Control and Display



Tablets

(Most popular)



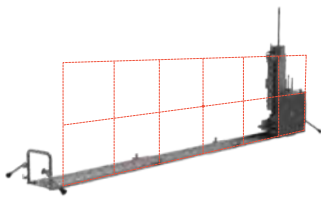
	Panasonic Toughbook® CF-33	NOVO Bright S	Panasonic Toughpad™ FZ-G2	Samsung Galaxy S
Screen Size	12"	10.1"	10.1"	6.1"
Screen Resolution	2160 x 1440	1920 x 1200	1920 x 1200	2340 x 1080
Screen Brightness (NIT)	1200	1500 (!) Super Brightness	1000	980
Touch Screen	✓	✓	✓	✓
Operating System	Windows	Windows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

Additional tablets and laptops supported

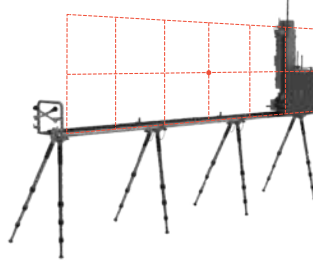


Folding Slider L

Ideal for screening large objects

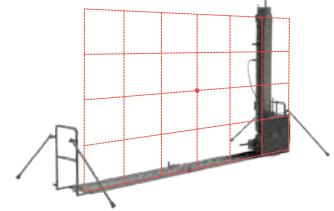


Elevated Mode



Folding Slider XXL

Super sized, ideal for screening XXL objects



3D Arc Mesh

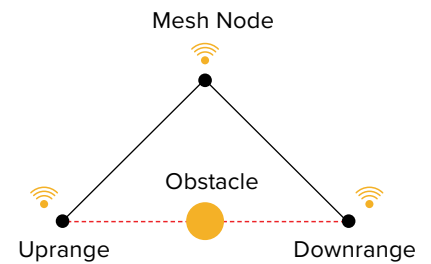
3D automated imaging with exact X, Y, Z measurements



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



Falcon Power Bank

Provides additional 6 hours of operation time



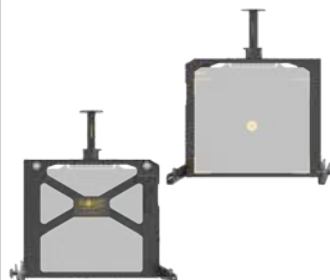
Wireless X-Ray

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



Robot Detector Frame

Lightweight, shock absorbing





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