RRT-4N   STANDARD SYSTEM SPECIFICATIONS

Special Features

+ Fully digital system produces high-quality images with no loss of resolution, even with long-distance wireless transmission or extended cable lengths

+ On-target equipment weight is 12kg (26 lbs.)

+ The complete RTR-4N System with Wireless Option fits into a single transport case. Weight is less than 34kg (76 lbs.)

+ Imager orientation recorded on each image

+ Over 1.3 lp/mm resolution for sharp images

+ Ability to distinguish 0.08 mm (AWG 40) wire in air and 0.16 mm (AWG 34) wire behind 3 mm (1/8") of steel

+ Total penetration of over 25 mm (1") steel

+ System operates for several hours on battery power. Can also be operated continuously with provided 115-230 Vac 50/60Hz adapters or external DC source

+ E-mail and LAN connections are easily achieved via inexpensive additional card

+ Software-controlled X-ray safety switch

Included In All RTR-4N Systems

+ 50 m (164') thin cable on roll-up reel connecting the Control Unit to the Integrated Imager

+ RJ-45 Ethernet Interface cable to connect Control Unit to roll-up reel

+ Two Imager batteries with external 115/230Vac 50/60Hz charger

+ External AC converter to charge battery in Imager and to power Imager from 115/230 Vac 50/60Hz

+ 3 m (10') cable connecting X-ray Imager and X-ray Source

+ Operators' Manual

+ System Restoration CD set

+ Incident database management system

Standard Notebook Control Unit

- **Display:** 15" LCD displaying 24-bit true-color at 1024 x 768 XGA resolution

- **Processor:** Pentium IV, 2 GHz or higher

- **Memory:** 256MB, expandable to 1GB

- **Ports:** Built-in: two USB ports; RJ-45 10/100 Mbps LAN; Cardbus socket; external monitor port; RJ-11 phone jack for the 56Kbps internal modem, and more

- **Operating System:** Microsoft® Windows® XP Professional

- **Optical Drive:** Internal DVD/CD-RW drive **Hard Drive/Capacity:** Internal hard disk 30GB or more

- **Battery:** Lithium-Ion Smart Battery for over 2 hours of continuous use

- **Weight:** 3.45 kg (7.6 lbs.)

- **Dimensions:** 33 x 27 x 5 cm (13"W x 10.5"H x 2"D)

X-ray Source

- XR-200 X-Ray Source from Golden Engineering with SAIC-exclusive internal wireless connection

- Compact-design pulsed X-ray Source with 40° beam angle

- 150 kVp maximum energy; under 3.3 µSv/pulse at 1 m (3.6 mR/pulse at 1'); radiation behind source is under 1.0 µSv at 6 cm (0.1 mR/pulse at 2.4")

- Dimensions: 11 x 19 x 32 cm (4.5"W x 7.5"H x 12.5"D)

- Weight: 5.5 kg (12 lbs.) with battery

- Two 14.4V rechargeable battery packs and charger (115 or 230Vac)

- X-ray Source Safety Key set

X-ray Imager

- RTR-4iMa, new integrated imager for RTR-4N

- 20 x 25 cm (8" x 10") active area standard imager

RTR-4N shown with integrated wireless option

- Digital solid-state camera, 780 x 580 pixels

- Dimensions: 30 x 35.75 x 14.5 cm (11.95"W x 14.30"H x 5.8"D)

- Weight: 5.7 kg (12.7 lbs.) (Including battery)

- Variable power-on delay

- Power provided to imager by integrated, removable, and rechargeable commercial off-the-shelf battery with fuel gauge

- Distance from base of imager to active area is only 1.5 mm (.06")

Protective Transport Case

- Single weatherproof, rigid case with stiff foam lining to store and transport system

- Load-balancing main handle and quiet roll-away wheel design

- Dimensions: 41 x 81 x 28 cm (19"W x 32"H x 11"D)

- New easy-open latches, longer handle and wider wheel base

System Environmental Performance

Temperature:

	Control Unit	Imager
Operating	10° c to 35° c	-29° C to 52° C
	50° F to 95° F	-20° C to 126° F
Non-operating	-10° C to 60° C	-40° C to 60° C
	14° F to 140° F	-40° F to 140° F

Warranty: 1 Year

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