



Hand-Held RIID (Radiological Isotope Identification Device)

"Field Intelligence Redefined Rugged, Connected, Reliable."

The RAD IQ[™] HH200 is a rugged, second-generation handheld RIID that blends proven detection capabilities with advanced connectivity and field-ready intelligence.

Designed to meet ANSI N42.34 standards, it offers high-sensitivity isotope identification powered by a detector size of up to 3 inches—larger than most devices in its class.



What truly sets the HH200 apart is its patented smartphone-based touchscreen interface, offering an intuitive user experience familiar to today's professionals.

CE FCC IG

With one-touch reach-back support, operators can instantly transmit data for expert analysis. Integrated highresolution camera and GPS enable rich, geotagged event documentation, while Wi-Fi and IoT SIM connectivity ensure seamless communication in connected environments.

Applications

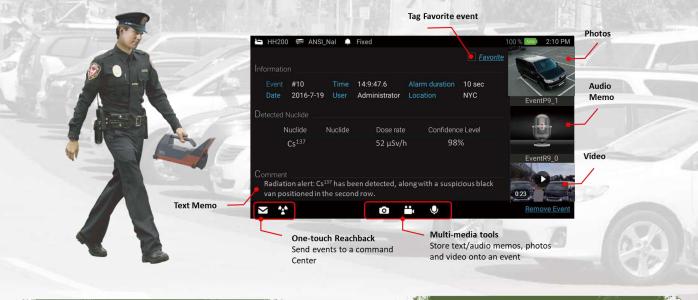
Key Features

- Homeland Security
- Emergency Responder
- Safeguard and nuclear security
- Radiological Area Mapping
- Geological Radiation Survey
- ANSI N42.34 compatible
- PDA based hand-held RIID (patented)
- One click reach back service
- Auto Stabilization
- Multimedia support

Key Features

Multimedia Event Logging

Attach photos, audio memos, text notes, or video clips directly to events for rich, contextual report.



One-Click Reach-Back

With integrated GPS, multimedia support and WiFi communication, the HH200 enables seamless data transfer to RadResponder or command centers delivering complete, actionable reports with a single click.



Touch Screen Interface

A wide, high-visibility display ensures easy readability, while full-touch control lets users manipulate

Tripod-Compatibility

spectra with simple fingertip gestures.



RadResponder

Integration with FEMA's free network for logging, transmitting, storing, analyzing, and presenting environmental radiation monitoring data.



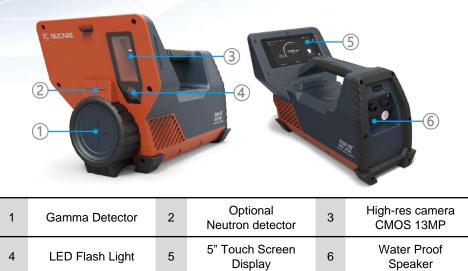
Event data can be transferred to a command center via Wi-Fi network protocol.



Easily mountable on a tripod for semi-fixed deployment, enabling unattended or extended-duration radiation monitoring

* Description of Device

The RAD IQ[™] HH200 is purpose-built to be both versatile and user-friendly, equipped with a range of distinctive features and components.







Ergonomic Shoulder Strap

Reduces user fatigue during exten ded field operations.

Application software: PeakAbout®

Smartphone-Based Application Software

Flexible Detector Configuration

The HH200 supports up to a 3×3" NaI(TI) detector and offers optional high-resolution

CeBr3 or LaBr3 detectors in 2×2" or 1.5×1.5"

Offers unmatched convenience and functionality over traditional designs, with seamless data transfer to reach-back centers upon survey completion.

2inch

3inch

Hi-Res



Spectrum Analysis

ID Result Summary



		DETE	CTORS		
Gamm	na		Nal(TI), or CeBr₃, LaBr	3 (1.5 or 2 inch)	
				ensated Geiger-Muller detector	
Neutron (option)		He-3, or Solid-state Neutron detector (Domino)			
		PERFOI	RMANCE		
Energy Range		20 keV – 3 MeV			
Linearization		Real-time linearization by firmware			
Dose rate range (ID mode)		0 ~ 100 μSv/h			
Dose rate range (Count mode)		0-10 mR/h (Nal), 10 mR/h-10 R/h (GM tube)			
Sensitivity		> 1500 cps / µSv/h @Cs-137			
Stabilization		Sourceless automatic real-time stabilization			
Identification		ANSI N42.34 compatible			
MCA channel		16 bit 2048 ch.			
Library categories		SNM, IND, MED, NORM			
Typical resolution		Nal(Tl) < 8%, CeBr ₃ < 5%, LaBr ₃ < 4%			
		BAT	TERY		
Туре		Rechargeable Li-ion			
Operation time		12h in sleep mode, Max run time 8h			
Backup ba	attery	Plug-in p	ower from an USB bat	tery pack	
		РНҮ	SICAL		
Dimension		192 x 356 x 214 (mm)	Weight	4.3kg (9.5 lb) w/ 3x3 inch Nal(Tl) 3.2kg (7 lb) w/ 2x2 inch Nal(Tl)	
		ENVIRO	NMENTAL		
Operating Temperature		-20°C(-4°F)~50°C(122°F)	Protection Rating	IP65	
Relative Hu	imidity	10 to 80%, non condensing	Testing Condition	IEC 62706, EN 61326	
DISPLAY			INPUT/OUTPUT		
Туре		Touch screen LCD	USB	micro USB 3.0	
Size		5 inch	Bluetooth	Class 4.0	
Resolution	480 x	320, configurable up to 1920x1080	WLAN	802.11n Wireless LAN	
MISCELLANEOUS		SOFTWARE			
GPS		22tracking, 66channels, 1-10Hz	Reach-back	ANSI N42.42 or CSV event data	
CD Camera		CMOS 13MP	Application	PeakAbout (application SW)	
Speaker		84 dB, water-proof	SW	PeakID (PC version SW)	
		ACCES	SORIES		
		Pelican style carrying case	Charger	USB charger / Vehicle Batter charger	
Case		, , , ,		6.16.861	