



RadAI™ -Cam

Gamma Camera

Reliably locates

- ◆ Radioactive &
- ◆ Nuclear Materials



Designed for the Needs
of

- ◆ First Interventors
- ◆ Forensics
- ◆ Nuclear Operations
- ◆ and more



More info and inquiries please visit www.RadAICam.com



The RadAI™ Cam is a hand-held gamma camera capable of acquiring, visualizing and recording the gamma radiation image of a scene. It is suitable for the rapid location of gamma radiation sources in

laboratories and in accident or crime scenes, and is meant to be easy to use even by untrained personnel.

The RadAI™ Cam employs a 2-D 6x10 array of CsI(Tl) 3x3x10 mm scintillating crystals as gamma detectors. It features bright color display, 8 hours rechargeable battery, on-board secure storage of acquired data, laser pointer, GPS with height over sea level measurement, and WiFi communications.

The bright yellow case is easy to decontaminate and can be operated inside contamination bags and using gloves.

The firmware allows automatic or manual storage of gamma images and associated data. Data files can be discharged and deleted but cannot be



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Specifications:

Mechanical & Appearance

Dimensions: 115 x 93 x 200 mm
Weight: 4 Kg
Case: Impact resistant polyamide
Color: yellow RAL 1003

Environmental:

Temperature Range Operating: -25... 60 °C
Storage: -40... 80 °C
Humidity Range: 0... 100% RH
Protection: IP 65

Electronics:

Response time: 2 full cycles/ second
Internal storage: 12 GB FAT drive (equivalent to > 65K records)
Communications: WiFi
Battery: Li batteries provide 8 hours operation**

Peripherals:

Gamma Camera: Property 6 x 10 2D detector array
Scintillator: CsI(Tl)
Radiation Detected: X-Ray and Gamma > 20 keV
Sensitivity Range: 1 mCi to 100 Ci Cs137 @ 1 m distance
SWNIR Camera: 656 x 496 pixels
Common FoV: 43 x 30 deg (H x V)
Display: Color OLED
Buzzer/Alarm: 80 dBa @ 30cm for selectable alarm rates

Firmware:

Root and user access levels
Provisions for data security – tamper proofing
Real time display of uncalibrated gamma irradiance map and total calibrated gamma field strength (uGy/h) over NIR camera scene.
Recording and alarming upon selectable gamma rates and doses
Real Time Clock for data timestamping
Data storage in TIF EXIF format on FAT virtual drive (visible over WiFi)

Applicable Standards

EN 50081-1, 50082-1; FCC Part 15 (Class B); EN 60079-0;
EN 60529 to IP65; ANSI N42.17A:2003; ANSI N42.33- 2006;
ANSI N42.49A-2011; IEEE/ANSI N42.42-2012;
CIPA DC-008-2012 – JEITA CP-3451C

** with display at 50% of maximum power use

specifications are subject to change without prior notice

Sales Channel



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