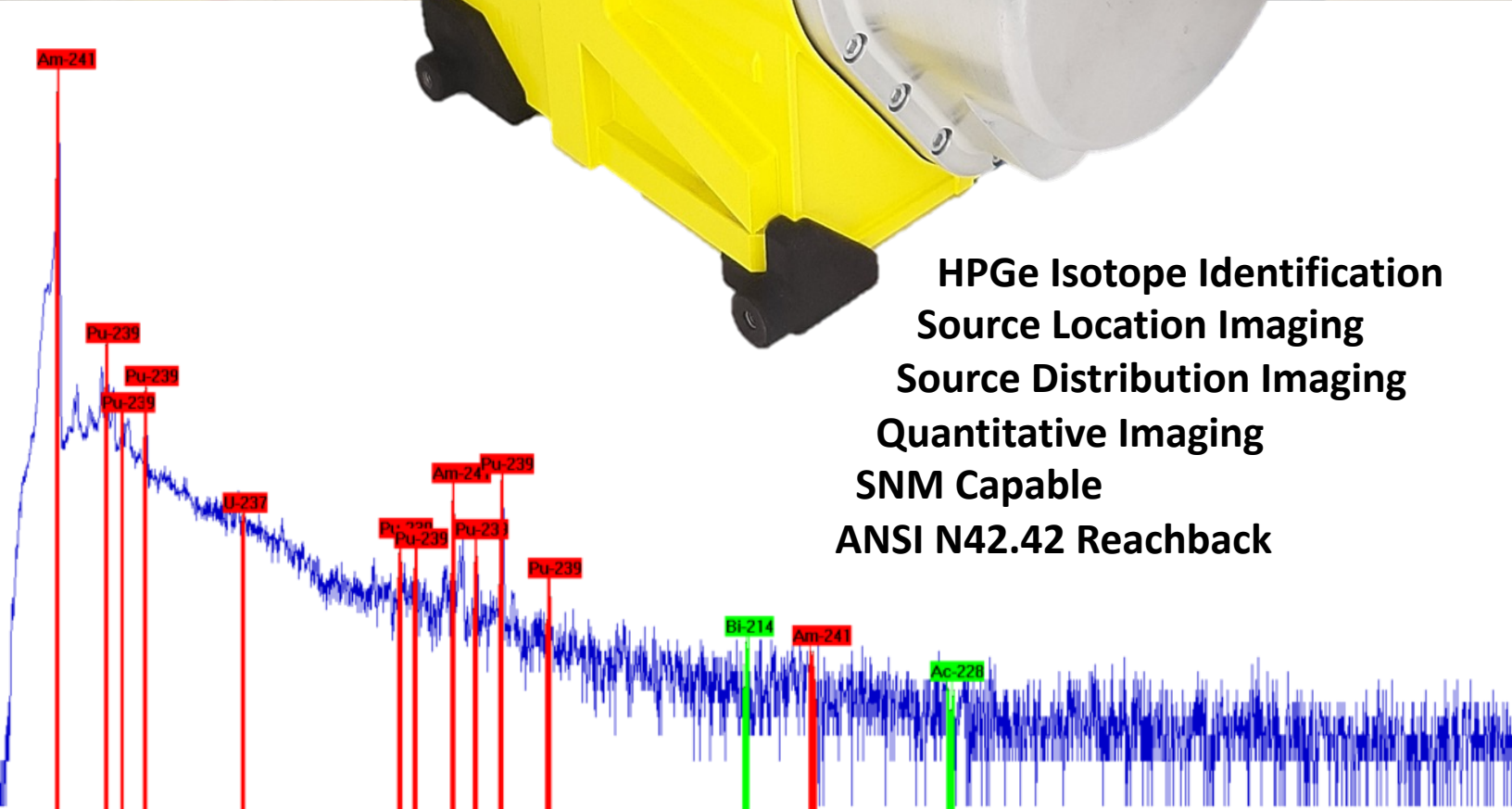


GeGI

Germanium Gamma-Ray Imaging HPGe Spectrometer



HPGe Isotope Identification
Source Location Imaging
Source Distribution Imaging
Quantitative Imaging
SNM Capable
ANSI N42.42 Reachback

GeGI



GeGI Specifications:	
Weight (Detector):	15 lbs. (6.8 kg)
Dimensions (Detector):	10.5" x 8.0" x 5.5" (26 cm x 20 cm x 14 cm)
Battery life:	3 hrs internal (hot swappable), 6-8 hrs external
Power supply:	100-240 VAC, 50-60 Hz
User maintenance:	None
Energy resolution:	FWHM < 2.1 keV (0.3 %) at 662 keV
Gamma-ray Compton imaging field of view:	4π (360°)
Optical camera field of view:	2π (180°)
Pinhole imaging field of view:	60°
Imaging Range:	(10 cm - 50 ⁺ meters)
Sensitivity: 10 μCi ¹³⁷ Cs at 1 meter (3.3 μR/hr, 33 nSv/hr)	
ID time (spectroscopy):	3.7 sec +/- 1 sec (662 keV, 8σ)
Location (imaging) time:	30 sec +/- 13 sec (Compton image)
Exposure rate capacity:	200 kcps (~10% Dead time in 15 mR/hr ⁶⁰ Co)
Energy range spectroscopy (16k ch):	30 keV - 3 MeV (12 MeV option)
Energy range Compton Imaging:	150 keV - 3 MeV
Energy range Pinhole Imaging:	30 keV - 662 keV
Isotope Library:	400 isotopes (Auto detect or user selected)
Isotope Identification:	37 frequently encountered isotopes
Isotope Categories:	SNM, NORM, IND, MED
HPGe detector crystal dimensions:	90-mm diameter, 11-mm thick
Active detector volume / area:	67 cm ³ / 61 cm ²
Cool-down time:	4 hours
Detector startup time:	2 minutes
Tablet:	Rugged daylight-readable glove-touch screen

GeGI Features:	
²³⁵ U (186 keV) and ²³⁹ Pu (375 keV, 414 keV) Compton Imaging Capable	
Compton and Pinhole Imaging. Coded Aperture Imaging options are available.	
ImagerPro Software Application featuring full session save, reload, full data-stream availability	
Reachback file: ANSI N42.42 format	
Wireless operation and hardwired operation with wireless option disabled	
Twist-lock mil-spec power connector	
Long-lived internal Stirling-cycle cooler	
Remotely operable	
Onboard neutron detector option	



Imager Pro
Gamma-ray
Imaging Software



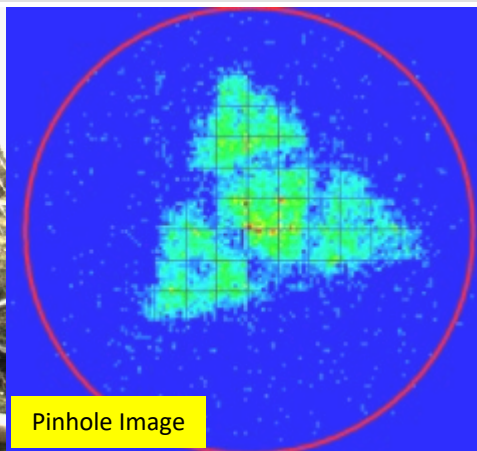
Pinhole
Imaging Aperture



2590 300 W-hr
External battery



Compton Image



Pinhole Image

20240514
Specifications subject to change