HSL Spectral- Specs

Gamma Field of View	45 degrees (60 degrees diagonally)
Angular Resolution	<= 8 degrees
Gamma Sensitivity	300 kBq ^{137}Cs @ 2m (5n/Sv/hr)
Energy Range	50 keV- 3 MeV
Dimensions (H x W x L) / Weight	210 x 260 x 340 mm <16kg
Battery Life	~8 hours
Kit Contents	▪ HSL Spectral camera ▪ Tripod and integrated pan & tilt head ▪ SmartSpot software** ▪ Toughpad and detachable Toughpad mount ▪ Power, charging and USB cables ▪ 2 Battery packs ▪ Security dongle with key ▪ Ruggedized wheeled flight case
Operational Advantages	• **Full Spectrum Mode and Energy Selection Mode.** • **ANSI Standard N42.34. Presets Am^{241} Cs^{137} Co^{60}** • Flexible, intuitive user interface accurately displays multiple hot spots. • Portable lightweight instrument deployable by 1 person. • Instant start up. No warm up period required. • No system cooling required. • Automatic calibration process. Requires calibration only once every two years.

. **Specifications are correct at printing, however are subject to engineering change.

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HSL Spectral- Feature Enhancements

HSL core spec. Plus

- Energy Binning
- Spectral Analysis
- Multi-isotope identification: 50keV t 3MeV
- User defined colour coding for ease identification
- Intuitive User Interface
- Attractive Pricing

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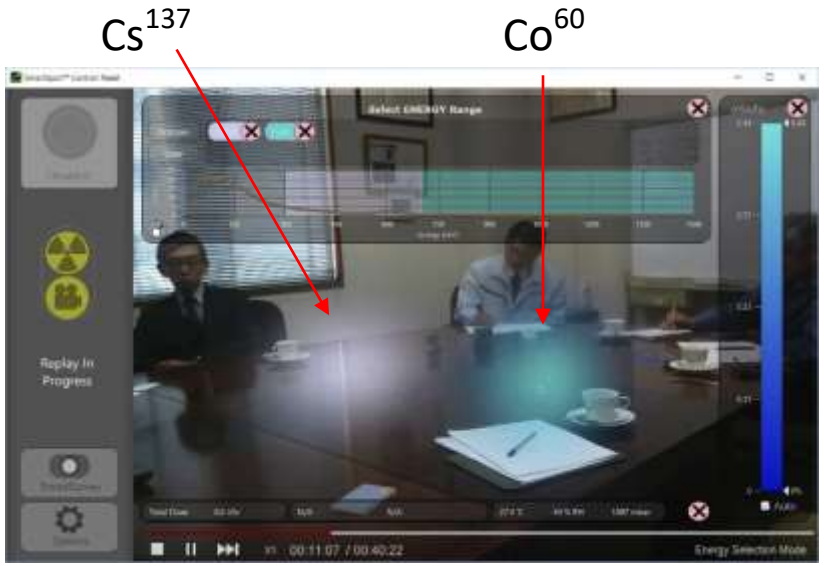
HSL Spectral- Software

- Individual isotopes can be assigned a colour. Colours can be assigned automatically or via menu selection.

- Example shows Cs^{137} as grey and Co^{60} as blue



** Prototype design

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HSL Spectral- Software

- Hotspots can be displayed on the basis of manually selected energy ranges.

- Example shows two energy ranges selected which are relevant to Cs^{137} and Co^{60}.

** Prototype design

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HSL Spectral- Software

- Individual isotopes can be selected from a pre-defined list.

- Example shows available isotopes.

Choose isotope to display from list.

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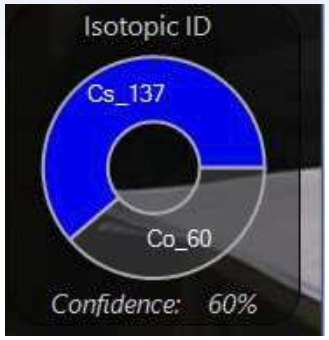
HSL Spectral- Software

- Hotspots can be selected on from an isotope list which is filled in automatically.

- Example shows a Cs^{137}



Isotopic ID selected

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