Brochure



Thermo Scientific PackEye™ XS Radiation Detection Backpack

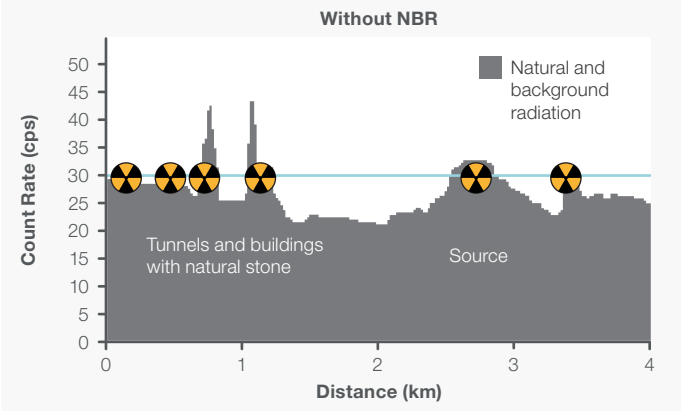
Covertly detect, identify, and assess radiation threats

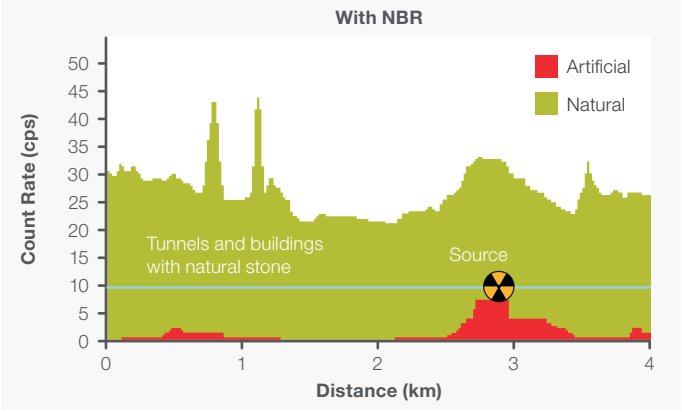
thermo scientific

The Thermo Scientific PackEye XS Radiation Detection Backpack provides outstanding detection sensitivity in an efficient form factor to enable safety and security teams to covertly identify threats with ease.

Unmatched Detection Sensitivity

Featuring our patented NBR algorithm, the PackEye XS distinguishes natural radiation background from potential threats without sacrificing sensitivity, allowing users to respond appropriately without the risk of false alarms.





Improved Form Factor

A radiation detection backpack that fits in a standard laptop sized bag, the PackEye XS features advanced reductions in size and weight, making it easy to handle on extended deployments or patrols.

Covert

Designed with public deployment in mind, the PackEye XS blends in amongst pedestrian crowds and can be operated entirely via mobile app. View all instrument data and receive alerts and alarms directly to headphones or smartwatch to perform surveillance without drawing attention.

Redesigned Mobile App

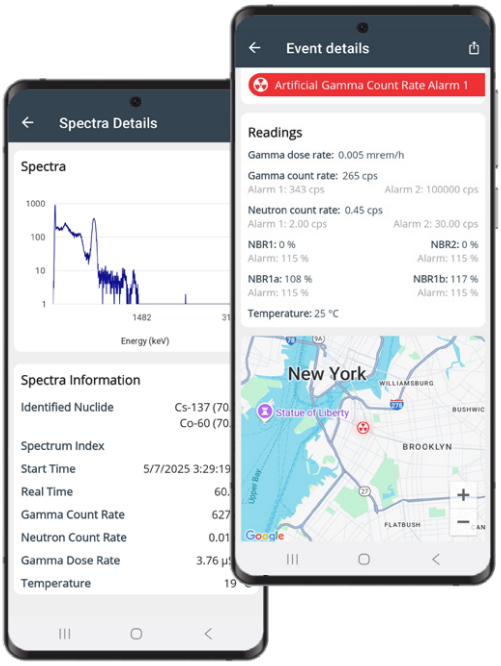
Integrated to the RadBridge™ software platform, the PackEye XS can be fully controlled via mobile app on both iOS and Android. View and analyze data, breadcrumb detection history on maps, send data back to mission control, and more.

Seamless ID Integration

Connect to RadEye SPRD instruments simultaneously in the RadBridge™ app. When a source is located, begin an ID evaluation at the touch of button without needing to open the backpack.

Data Management

Automatically collate all instrument data for easy review, export, or reachback via Rad or CBRNe Responder.





PackEye XS	
Weight	8 lbs (3.65 kg)
Dimensions	15 x 11 x 5 in (38 x 28 x 12.7 cm)
Gamma Sensitivity	>5000 cps/microSV/hr
Gamma Energy Range	25 keV to 3 MeV (detection), 50 keV to 3 MeV (dose rate)
Neutron Sensitivity	>20 cps per n/s/cm^2
NBR	Advanced NBR for instant threat categorization
ID	Integration with SPRD via mobile app
Temperature	-4°F to 122°F (-20°F with external power pack) (-20°C to 50°C)
Exposure	IP 54, IP 65 with Dry Bag
Battery Life	24 hrs
Battery Details	Li Ion, 3400 mAh. Rechargeable via external power pack
Communication	USB C for connection and charging. BTLE4 connection up to 50 yards
Compliance	N42.53, IEC 62694, IEC 62706
Mobile App	iOS and Android. Instrument control, mapping, reachback, multiple language support

RadEye SPRD	
Weight	0.4 lbs (180 g)
Dimensions	4 x 2.75 x 1.5 inches (10 x 7 x 3.8 cm)
Detector	CsI(Tl)
ID Capability	40 isotopes, ID in < 3 minutes
Temp/Exposure	-4°F to 122°F (-20°C to 50°C), IP65
Battery	>170 hrs
Compliance	N42.48



Customers who have previous experience with the PackEye He3 or PackEye GN2 can expect the same exceptional performance and reliability from the PackEye XS but with significant improvements offered by next generation technology. Select discounts are available when upgrading equipment. Contact your local sales representative for more information.

	PackEye XS	PackEye GN2
Weight	8 lbs (3.65 kg)	17 lbs (7.7 kg)
Size	15 x 11 x 5 in (38 x 28 x 12.7 cm)	22 x 12 x 8 in (56 x 30.5 x 20.3 cm)
Gamma Sensitivity	5000 cps/microSv/hr	4000 cps/microSv/hr
Neutron Sensitivity	20 cps/microSv/hr	30 cps/microSv/hr
ID	Integration with SPRD via Mobile app	None
NBR	Advanced NBR for instant threat categorization	NBR for instant threat classification
Battery	Runtime: 24 hr	Runtime: 30 hr
Mobile App	Full instrument control, covert operation, data analysis, mapping, data reach back, and more	Basic data viewing
Communication	USB C and BTLE4	BTLE4

Learn more or request a product demo at **thermofisher.com/packeyexs**

For radiation measurement, identification, or monitoring only. Not for use in diagnostic procedures. For current certifications, visit thermofisher.com/certifications © 2025 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific and its subsidiaries unless otherwise specified. **MCS-BR1390-EN 02/26**