BRIGHTSPEC

Flint-NaI-Pro

Gamma acquisition and analysis bundle: Flint probe with NaI(Tl) and bGamma software

Bundle for gamma-ray spectrum acquisition and analysis with Flint, BrightSpec's integrated SiPM probe with a 2 × 2 or 3 × 3 inch NaI crystal and built-in MCA, and the full bGamma analysis software. The probe is powered via USB, and programming libraries are included.



Detector type

Flint: SiPM-based integrated probe with a NaI crystal, 2 × 2 or 3 × 3 in [1]

Spectrum channels

256, 512, 1,024, 2,048 or 4,096, 32-bit depth pe r channel [2]

Specifications

DETECTOR

Detector type	Flint: SiPM-based integrated probe with a NaI crystal, 2 × 2 or 3 × 3 in	[1]

ELECTRONICS & SIGNAL

Spectrum channels	256, 512, 1,024, 2,048 or 4,096, 32-bit depth per channel	[2]

CONNECTIVITY & INTERFACE

Communication	USB 2.0 (mini-B), 3 m cable included	[2]

POWER & BATTERY

Supply voltage	Via USB	[1]

MECHANICAL

Dimensions	2 × 2 in (FLINT-NAI-2): ø57 × 96 mm; 3 × 3 in (FLINT-NAI-3): ø82 × 121 mm (diameter × height)	[2]

ENVIRONMENT & RATINGS

Listed operating system	Programming libraries for 32/64-bit Linux (x86 and ARM) and 32/64-bit Windows XP, Vista, 7, 8, 10 and 11	[1]
perating temperature	−10 to +60 °C (ambient)	[2]

ORDERING & ACCESSORIES

Ordering code	FLINT-NAI-2-PRO (2 × 2 in) and FLINT-NAI-3-PRO (3 × 3 in), with a single bG amma licence	[2]

GENERAL

Package contents	Flint probe with SiPM and a 2 × 2 or 3 × 3 inch NaI crystal, MCA with up to 4K channels, bGamma software	[1]
Acquisition modes	PHA (pulse height analysis) and MCS (multichannel scaling)	[1]

Sources

[1] Flint-NaI-Pro
BrightSpec · product-page · Product page; Product page – Hardware · checked 2026-10-16
https://www.brightspec.be/brightspec/?q=node/60

[2] FLINT technical specifications (V1.4, December 2025)
BrightSpec · datasheet · FLINT specifications p. 2, Ordering information; Technical specifications – PHA acquisition mode (FLINT-NAI-2/3-PRO per Ordering information); Technical specifications – Data communication, Connectors · checked 2026-10-16
https://www.brightspec.be/brightspec/downloads/Flint_Spec_V1.4.pdf

Every value is taken from the manufacturer's own document; the number after the value refers to the source list. Always check against the latest datasheet before ordering.

The data comes from the manufacturer's published documents. Manufacturers may change specifications; the current configuration and performance are confirmed in the quotation.