Pileup Separator Processor APV8101S
1Gsps 14-bit Pileup separator, High output rate

Pileup separator processor installed in hardware!
Separate 1G sampling data in real time, high counting measurement using scintillator etc. possible!

Features
- ADC: 1Gsps, Resolution 14-bit, 1CH
- Input Signal Type: Fast Scintillator, etc.
- Output: 2Mcps and more / CH
- Analysis mode: Histogram, List
- Input range: ±1V (Input impedance: 50Ω)
- Function: Real time Pileup Separator
- Interface: TCP/IP, Gigabit Ethernet

Detector: LaBr₃ (Ce) Scintillator

High counting input test using LaBr₃ (Ce) detector and Cs-137

Netcps↑10% UP
662keV@¹³⁷Cs

FWHM: 3.8%
The Pileup Separated Spectrum's 662 KeV energy resolution is about 900 kcps, 3.8%

Netcps of 662 KeV is 10% higher than Normal.
Normal Spectrum's pileup high energy side decreased.

*Images is for illustration purpose.
*Please note that contents may change without prior notice.