

Pileup Separator Processor APV8011S

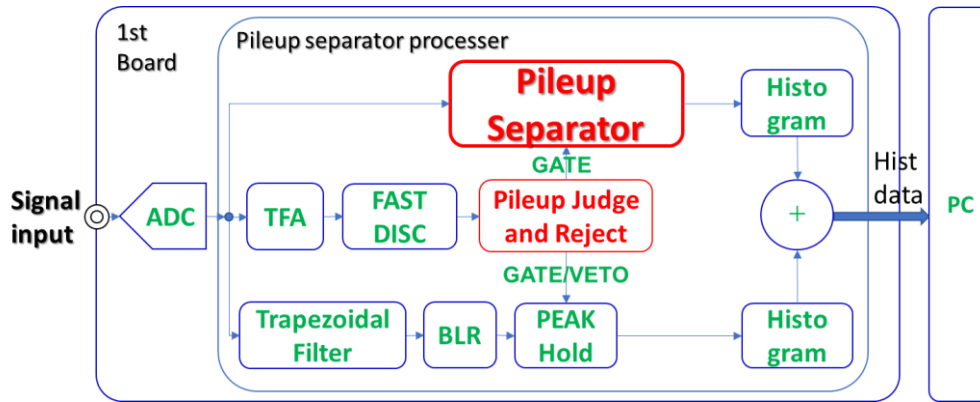
100Mps 16-bit Pileup separator, High output rate

日本製

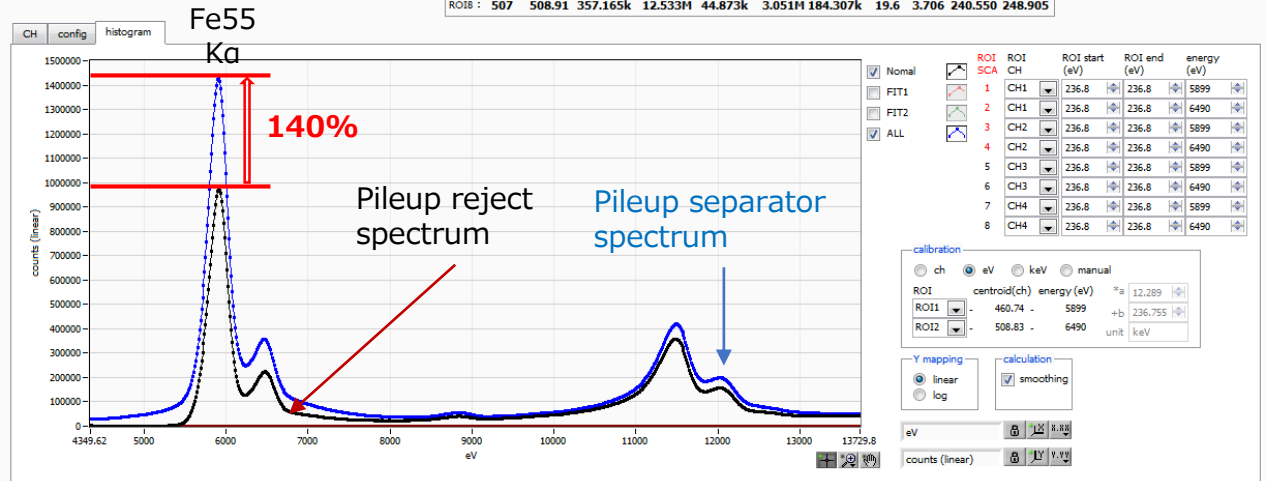
VME

パイルアップセパレータプロセッサをハードウェアに搭載！
リアルタイムにセパレータを実行します。
複数ボードで一段とアウトプットが向上します。

- ADC 100Mps, 16 bit, 1CH
- Input Signal Type SDD etc.
- Output 2.5Mcps以上 / CH
- Input range ±2V (Input impedance : 1kΩ)
- Function **Real time Pileup Separator**
- Interface TCP/IP, Gigabit Ethernet



module	DSP1	IP address	192.168.10.16	Test										mode	histogram																																																																												
CH	input total count	throughput rate (cps)	input total rate (cps)	throughput rate (cps)	dead time ratio (%)	ROI No.	peak (ch)	centroid (ch)	peak (count)	gross (count)	gross (cps)	net (count)	net (cps)	FWHM (ch)	FWHM (%)	FWHM (eV)	FWTM (eV)	measurement mode	real time																																																																								
CH1	162.314M	107.403M	2.356M	1.559M	99.1	ROI1	462	460.74	973.258k	23.888M	286.181k	19.460M	351.300k	20.3	4.219	248.870	474.232	real time	00:00:00																																																																								
CH2	14.254M	25.680M	206.933k	373.065k	0.0	ROI2	508	508.83	223.888k	7.202M	35.769k	2.432M	105.908k	19.4	3.673	238.352	206.229	real time	01:00:00																																																																								
CH3	13.709M	24.737M	199.006k	359.207k	0.0	ROI3	461	457.71	229.779k	7.373M	58.600k	3.985M	108.421k	21.2	4.413	260.333	506.835	quick scan meas count	0																																																																								
ICR(cps) OCR(cps) TOTAL : 2.356M 2.291M					<table border="1"> <thead> <tr> <th>ROI No.</th> <th>peak (ch)</th> <th>centroid (ch)</th> <th>peak (count)</th> <th>gross (count)</th> <th>gross (cps)</th> <th>net (count)</th> <th>net (cps)</th> <th>FWHM (ch)</th> <th>FWHM (%)</th> <th>FWHM (eV)</th> <th>FWTM (eV)</th> </tr> </thead> <tbody> <tr> <td>ROI4</td> <td>506</td> <td>509.04</td> <td>68.512k</td> <td>2.699M</td> <td>4.560k</td> <td>310.061k</td> <td>39.695k</td> <td>22.5</td> <td>4.263</td> <td>276.678</td> <td>243.056</td> </tr> <tr> <td>ROI5</td> <td>461</td> <td>457.75</td> <td>228.707k</td> <td>7.287M</td> <td>58.655k</td> <td>3.989M</td> <td>107.156k</td> <td>21.1</td> <td>4.402</td> <td>259.673</td> <td>507.477</td> </tr> <tr> <td>ROI6</td> <td>505</td> <td>508.98</td> <td>67.129k</td> <td>2.632M</td> <td>4.544k</td> <td>308.989k</td> <td>38.704k</td> <td>22.3</td> <td>4.220</td> <td>273.894</td> <td>228.125</td> </tr> <tr> <td>ROI7</td> <td>462</td> <td>459.59</td> <td>1.427M</td> <td>38.548M</td> <td>403.436k</td> <td>27.434M</td> <td>566.877k</td> <td>20.6</td> <td>4.291</td> <td>253.110</td> <td>482.352</td> </tr> <tr> <td>ROI8</td> <td>507</td> <td>508.91</td> <td>357.165k</td> <td>12.533M</td> <td>44.873k</td> <td>3.051M</td> <td>184.307k</td> <td>19.6</td> <td>3.706</td> <td>240.550</td> <td>248.905</td> </tr> </tbody> </table>													ROI No.	peak (ch)	centroid (ch)	peak (count)	gross (count)	gross (cps)	net (count)	net (cps)	FWHM (ch)	FWHM (%)	FWHM (eV)	FWTM (eV)	ROI4	506	509.04	68.512k	2.699M	4.560k	310.061k	39.695k	22.5	4.263	276.678	243.056	ROI5	461	457.75	228.707k	7.287M	58.655k	3.989M	107.156k	21.1	4.402	259.673	507.477	ROI6	505	508.98	67.129k	2.632M	4.544k	308.989k	38.704k	22.3	4.220	273.894	228.125	ROI7	462	459.59	1.427M	38.548M	403.436k	27.434M	566.877k	20.6	4.291	253.110	482.352	ROI8	507	508.91	357.165k	12.533M	44.873k	3.051M	184.307k	19.6	3.706	240.550	248.905	file size	0.00
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XSSD50-01とAPV8011Sを使用した放射光施設での実試験

※写真はイメージです。
※記載内容は予告なく変更することがあります。

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