

Technical Solutions

SDK Index Values for Readout Speeds

Products Affected – All Andor CCD, ICCD & EMCCD

Software Affected – SDK2

This article outlines the structure of how shift speeds correspond to index values required to select them.

Vertical shift speeds will index from fastest, being '0', to slowest using the function **SetVSSpeed**.

Horizontal readout speeds will index from fastest, being '0', to slowest using the function **SetHSSpeed**; but will also depend on the AD Channel selected. Different AD channels will have different horizontal shift speeds available (**SetADChannel**).

For example, iXon3 DU-897E

SetADChannel	Index	SetHSSpeed	Index
16-bit	0	1MHz	0
14-bit	1	3MHz	2
14-bit	1	5MHz	1
14-bit	1	10MHz	0
SetVSSpeed	Index		
0.3us	0		
0.5us	1		
0.9us	2		
1.7us	3		
3.3us	4		

To return the number of vertical shift speeds: **GetNumberVSSpeed**.

To return the number of horizontal shift speeds: **GetNumberHSSpeed**.

To return the number of AD channels: **GetNumberADChannel**.