

Connection between Contrast/Brightness and Gain/Offset

mvAcquireControl

IGrabber::SetContrast 1 .. 100
mvSetGain 33 .. 4095

IGrabber::SetBrightness 0 .. 100
mvSetOffset 0 .. 4095
Cameradefinition -1200mV ... 1200mV

The formular between offset voltage and the offset value of mvSetOffset is:

Offset = (WORD) (Offset_mV*2048.0/1200.0 + 2048.0);

=> Offset_mv = (Offset-2048) * 1200 / 2048;