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| --- | --- | --- | --- |
| VIC insmod param | param descriptions | Setting values | default value |
| bAEEn | AE, control mode | 0: disable, 1: enable | 0 |
| bIrisEn | AI, control mode | 0: disable, 1: enable | 0 |
| dwAEopframes | AE, numbers of AE operating every N frames | 1, 2, … | 1 |
| dwTargetLuminance | AE, target luminace | 0-255 | 90 |
| dwTargetOffset | AE, luminace offset | 0-255 | 20 |
| dwDefaultShutter | AE, shutter width default value | 1/2/4/8/15/30/60/120  (1: default shutter is 1fps,  2: default shutter is 2fps,  … etc) | 120 |
| dwDefaultGain | AE, gain default value | 1-64 | 1 |
| dwMinShutter | AE, min shutter | 0/1/2/4/8/15/30/60/120  (0: no lower bound,  1: lower bound is 1fps,  2: lower bound is 2fps,  … etc) | 0 |
| dwMaxShutter | AE, max shutter | 1/2/4/8/15/30/60/120  (1: upper bound is 1fps,  2: upper bound is 2fps,  … etc) | 1 |
| dwMinGain | AE, min gain | 1-64 | 1 |
| dwMaxGain | AE, max gain | 1-64 | 64 |
| video\_sensor\_frequency | Sensor, frequency | 1: 50Hz, 2: 60Hz | 2 |
| video\_sensor\_remainingline | Sensor, remaining lines | depends on sensor | 0 |
| dwCFAHVBlendEn | CFA, PCCI horz./Vert. blending enable for image stability | 1: enable, 0: disable | 0 |
| dwCFAHVAvgThrd | CFA, threshold for Bilinear (below) / hv-blending (above) | 0~0x3FFFF | 0 |
| dwCFAHVBlendMaxThrd | CFA, maximum threshold for hv-blending | 0~0x3FFFF | 0 |
| dwCFAHVBlendMinThrd | CFA, minimum threshold for hv-blending | 0~0x3FFFF | 0 |
| dwCFAFCSEdgeThrd | CFA, edge-exclude threshold for false-color suppression | 0~0x3FFFF | 0 |
| dwCFAFCSMaxThrd | CFA, maximum threshold for false-color suppression | 0~0x3FFFF | 0 |
| dwCFAFCSMinThrd | CFA, minimum threshold for false-color suppression | 0~0x3FFFF | 0 |
| dwCFAFCSEn | CFA, false-color suppression enable | 1: enable, 0: disable | 0 |
| dwCFAFCSExcludeEdge | CFA, edge-exclude enable for false-color suppression | 1: enable, 0: disable | 0 |
| dwCFAFCSAlpha | CFA, alpha value for false-color suppression | 0~511 | 0 |
| bIICSyncVsyncFallingEn | Sensor IIC setting timming must Sync Vsync Falling | 1: enable, 0: disable | 0 |
| dwIrisCtlType | Identify auto iris control type | 0: DAC for DC iris, 1: PWM  For DC iris, 2 : P iris | 1 |
| dwIOPadVoltageLevel | IO pad voltage level selection | 1: 1.8 Volt, 0: 2.5~3.3 Volt | 0 |
| bAWBEn | AWB, control mode | 0: disable, 1: enable | 0 |
| dwAWBopframes | AWB, numbers of AWB operating every N frames | 1, 2,…. | 1 |