Q Parameters Supported

The following are the parameters supported by cameraSetVar (Set), cameraGetVar (Get) and cameraGetIDInfo (info) for the Q camera and how they match up to the Q parameters.

The main VI's should cover all the main functionality of the camera, these are just for completeness.

SICAMERA_WHITE_BALANCE*: (Set)* QCam_WhiteBalance: performs a white Balance (if available on camera).

SICAMERA_HIGH_SENSITIVITY_MODE: (Set, Get, Info) qprmHighSensitivityMode, qinfHighSensitivityMode (info available param).

SICAMERA_BLACKOUT_MODE: (Set, Get, Info) qprmBlackoutMode, qinfBlackoutMode (info available param).

SICAMERA_EDGE_TRIGGER: part of QCam_qcTriggerType (low:0 and High:1)

SICAMERA_AUTO_EXPOSURE: (Set) QCam_AutoExpose : performs an AutoExposure

SICAMERA_PRE_FLIGHT: QCam_PreflightSettings

SICAMERA_CLEAR_MODE: (Set, Get, Info) qprmCCDClearingMode SI_CLEAR_PRE_EXPOSURE:2 (qcPreFrameClearing) SI_CLEAR_NEVER: 1 (qcNonClearing)

SICAMERA_GAIN_FACTOR: (Set, Get, Info) qprmEMGain

SICAMERA_EMGAIN_AVAILABLE: (Get, Info) qinfEMGain

SICAMERA_COLOR_WHEEL: (Set, Get, Info) qprmColorWheel, qinfColorWheelSupported (info available param)

SICAMERA_EM_MODE: (Set) Set Em Mode for current ADC setting.

SICAMERA_EM_MODE_SUPPORTED: (Get, Info) qinfEasyEmModeSupported

SICAMERA_EM_LOCKED_GAIN_MODE: (Set) qprmLockedGainMode

SICAMERA_LOCKED_GAIN_MODE_SUPPORTED: (Get, info) qinfLockedGainModeSupported

SICAMERA_EM_GAIN_VALUE10: (Set, Get) qprmEasyEmGainValue10

SICAMERA_EM_GAIN_VALUE20: (Set, Get) qprmEasyEmGainValue20

SICAMERA_EM_GAIN_VALUE40: (Set, Get) qprmEasyEmGainValue40

SICAMERA_SPDTAB_INDEX: (Set, Get, Info)qprmReadoutSpeed (CameraADCSet and CameraADCGet should be used instead of this parameter).

SICAMERA_READOUT_PORT: (Set, Get, Info) qprmReadoutPort (CameraADCSet and CameraADCGet should be used instead of this parameter).

SICAMERA_SHTR_CLOSE_DELAY: (Set, Get, Info) qprmCloseDelay (CameraShutter should be used instead of this parameter)

SICAMERA_SHTR_OPEN_DELAY: (Set, Get, Info) qprmOpenDelay (CameraShutter should be used instead of this parameter)

SICAMERA_COOLING_ENABLE: (Set, Get, Info) qprmCoolerActive, qinfCooled (info)

SICAMERA_NORMALIZED_GAIN_DB: (Set, Get, Info) qprmS32NormalizedGaindB (if supported) otherwise qprmNormalizedGain

SICAMERA_ADC_OFFSET: (Set, Get, Info) qprmS32AbsoluteOffset (if available) otherwise qprmOffset (CameraADCSet and CameraADCGet should be used instead of this parameter).

SICAMERA_INTENSIFIER_GAIN: (Set, Get, Info) qprm64NormIntensGain if available otherwise qprmIntensifierGain (CameraIntensfierParams.vi should be used instead of this param)

SICAMERA_FAN_ENABLE: (Set, Get, Info) qprmFan

SICAMERA_TEMP_SETPOINT: (Set, Get, Info) qprmS32RegulatedCoolingTemp (CameraSetTemp.vi and CameraGetTemp.vi should be used instead of set param).

SICAMERA_EXPOS_SEC: (Set, Get, Info) as seconds converted to microseconds/nanoseconds uses qprm64Exposure if available otherwise qprmExposure. (CameraExperiment.vi should be used instead of set param).

SICAMERA_RED_EXPOS_SEC: (Set, Get, Info) qprm64ExposureRed if available otherwise qprmExposureRed

SICAMERA_BLUE_EXPOS_SEC: (Set, Get, Info) qprm64ExposureBlue if available otherwise qprmExposureBlue

SICAMERA_UNIQUE_ID: (Get, Info) qinfUniqueId

SICAMERA_ASYMETRICICAL_BINNING: (Get, Info) qinfAsymmetricalBinning

SICAMERA_STREAM_VER: (Get, Info) qinfStreamVersion

SICAMERA_INTENSIFIER_MODEL: (Get, Info) qinfIntensifierModel

SICAMERA_TYPE_B: (Get, Info) qinfIsModel

SICAMERA_HARDWARE_VERSION: (Get, Info) qinfHardwareVersion

SICAMERA_DEVICE_TYPE: (Get, Info)qinfCcdType

SICAMERA_BINNING: (Get, Info) qprmBinning

SICAMERA_HORZ_BINNING: (Get, Info) qprmHorizontalBinning,

SICAMERA_VERT_BINNING: (Get, Info) qprmVerticalBinning,

 SICAMERA_MODEL_NUMBER: (Get, Info) qinfCameraType

 SICAMERA_CHIP_NAME: (Get, Info) qinfCcd

 SICAMERA_TMPERATURE_LOCKED: (Get, Info) qinfRegulatedCoolingLock

SICAMERA_IS_COLOR: (Get, Info) Is_Color_Camera