

Updates for GigE Vision PoE cameras

Release note

1 Overview

This document has the information of the updates for Sentech GigE Vision cameras.

1.1 Applicable products

STC-SB33POE, STC-SC33POE
STC-SB83POE, STC-SC83POE
STC-SB152POE, STC-SC152POE
STC-SB202POE, STC-SC202POE
STC-SB500POE, STC-SC500POE
STC-SB32POEHS, STC-SC32POEHS
STC-SC32POEHS, STC-SB33POEHS
STC-SC33POEHS, STC-SB133POEHS
STC-SC133POEHS, STC-SB152POEHS
STC-SC152POEHS, STC-SB202POEHS
STC-SC202POEHS, STC-SBE132POE
STC-SCE132POE, STC-SCE132POE,
STC-SBA503POE, STC-SCA503POE
* includes the model number has –xx at end

1.2 Correspond serial number

From 15Cxxxx

2 Detailed Descriptions

2.1 Specifications changed

No.	Descriptions	Applicable products
1	<p>The unit for Packet Delay is changed. Unit on GevSCPD revised from 30ns unit to GevTimestampTickFrequency (480ns). Previous: Packet Delay = Value 2 on GevSCPD x 30ns Current: Packet Delay = value on GevSCPD x GevTimestampTickFrequency</p> <p>The unit for GevSCPD on Parameter "Packet Delay". The unit of GevSCPD revised from 1/33.333333MHz(30ns)unit to 083333MHz(480nS) unit on GevTimestampTickFrequency. Previous: Packet Delay = value on GevSCPD x (1/33.333333MHz) = value on GevSCPD x (30nS) Current: Packet Delay = value on GevSCPD x (1/GevTimestampTickFrequency) = value on GevSCPD x (1/2.083333MHz) = value on GevSCPD x (480nS)</p>	<p>Please refer Applicable products</p>
2	<p>The software trigger (TriggerSoftware command) response speed is improved. TriggerSoftwareSource is deleted. (Duration from issued trigger on PC to issue on the camera was improved. Previous: Approximately 5ms, Current: Approximately 200 usec to 500 usec</p>	
3	<p>The initial value for the white balance process threshold Y (YThreshold) is changed to 0. The white balance operates even in the dark condition even in factory setting.</p>	
4	<p>TriggerSource and TriggerMode are added at Invalidators of TriggerActivation TriggerActivation is changed to Nocahe The setting is applied immediately when the software trigger is selected.</p>	

2.2 Specifications added

No.	Descriptions	Applicable products
1	<p>The strobe signal output while FreeRun mode is supported.</p>	<p>Please refer Applicable products</p>
2	<p>The filter for the hardware trigger signal (LineDebounceTime) is added. The 1us unit of the trigger signal filtering can be set from 0 to 20ms.</p>	
4	<p>BalanceRatioSelector, BalanceRatio and BalanceRatioAbs are added. Below the white balance commands move to Guru visibility. BalanceRatio_R_Preset1,BalanceRatio_Gr_Preset1,BalanceRatio_B_Preset1,BalanceRatio_Gb_Preset1 BalanceRatio_R_Preset2,BalanceRatio_Gr_Preset2,BalanceRatio_B_Preset2,BalanceRatio_Gb_Preset2 BalanceRatio_R_Preset3,BalanceRatio_Gr_Preset3,BalanceRatio_B_Preset3,BalanceRatio_Gb_Preset3 BalanceRatio_R_Once,BalanceRatio_Gr_Once,BalanceRatio_B_OnceBalanceRatio_Gb_Once</p>	
5	<p>Line0 is added at TriggerSource selection in GenICam. Line0 and Hardware are the same signal.</p>	
6	<p>TriggerSelector is added. FrameStart is only available for the selection.</p>	
7	<p>TriggerSelector is added. FrameStart and AcquisitionStart are available for the selection.</p>	
8	<p>UserDefinedValueSelector and UserDefinedValue are added.</p>	<p>These are only applicable</p>

<p>Five 32bits data can be set and save</p> <p><u>a. UserDefinedValueSelector</u></p> <p>Enum</p> <p>Selection: Value1, Value2, Value3, Value4, Value5</p> <p><u>b. UserDefinedValue</u></p> <p>32bit signed integer</p> <p>Select one of five 32bit data (Value1 to Value5) at UserDefinedValueSelector then read/set the value at UserDefinedValue.</p>	<p>STC-SBE132POE and STC-SCE132POE</p>
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2.3 Bug fixes

No.	Descriptions	Applicable products
1	The camera is freeze when using the DHCP server due to the UART communication conflict	Please refer Applicable products
2	The incorrect exposure time sets when AcquisitionStart and AcquisitionStop use frequently.	These are only applicable STC-SBA503POE and STC-SCA503POE
3	The image is not output when the setting value for AcquisitionFrameRate at ERS trigger mode is smaller than the actual frequency of the trigger signal.	

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