

¹⁾ PixelFormats for area scan mode (UserSet "Default"). For color cameras, the PixelFormats Mono8, RGB8, BGR8 and RGB10p32 are debayered formats.

²⁾ Increases maximum framerate.

³⁾ Color binning on monochrome sensor can lead to image artifacts

⁴⁾ Only combined horizontal and vertical binning.

⁵⁾ Flashing (on FunctionActive), only available in trigger mode.

If not specified otherwise, default Binning and Decimation factors are 2, 4 and 8, with independent configuration for horizontal and vertical direction. FPCA Binning and FPCA Decimation cannot be combined.

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⁴⁾ Only combined horizontal and vertical binning.

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If not specified otherwise, default Binning and Decimation factors are used.

If not specified otherwise, default Binning and Decimation factors are 2, 4 and 8, with independent configuration for horizontal and vertical direction. FPGA Binning and FPGA Decimation cannot be combined.

LE Rev. 2

¹⁾ PixelFormats for area scan mode (UserSet "Default"). For color cameras, the PixelFormats Mono8, RGB8, BGR8 and RGB10p32 are debayered formats.

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3) Color binning on monochrome sensor can lead to image artifacts.

Color binning on monochrome sensor can lead to color bleeding.

4) Only combined horizontal and vertical binning.

⁵⁾ Flashing (on ExposureActive) only available in trigger mode.

Warp10

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³⁾ Color binning on monochrome sensor can lead to image artifacts.

Color binning on monochrome sensor can lead to

4) Only combined horizontal and vertical binning.

5) Flashing (on ExposureActive) only available in trigger mode.

ACP Rev. 1.2

		Free-run	Software Trigger	Hardware Trigger	Trigger Controlled Exposure	Denoiser	Long Exposure	Line Scan	Line Scan Highspeed	Flashing	PWM Flashing	Auto Exposure	Auto Gain	Auto Whitebalance	Color Correction	Gamma	LUT	Mirroring	PixelFormats ¹	Region of Interest	Decimation (FPGA)	Binning (Sensor) ²	Binning (FPGA) ²	IP Settings	Bandwidth Management	Chunks	Sentencer	PTP	Firmware Update	1st-supported Firmware		
GV-504xACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	X/Y	Mono8, Mono10p, Mono12p, Mono10, Mono12	✓	✓	2x2	✓	2x2	✓	✓	✓	✓	✓	✓	2.10		
	C																		Mono8, BayerRG8, BayerRG10p, BayerRG12p, BayerRG10, BayerRG12, RGB8, BGR8, RGB10p32, BGR10p32	✓	✓	2x2	✓	-								2.10
GV-508xACP Rev. 1.2	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
GV-50CxACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-51FxACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-51JxACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-51LxACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-526xACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-527xACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-528xACP Rev. 1.2	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-586xACP Rev. 1.2	M	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-588xACP Rev. 1.2	M	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	
GV-589xACP Rev. 1.2	M	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-														2.10	
	C																														2.10	

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ACP		Image Acquisition										On-board Image Processing										Others									
		Freerun	Software Trigger	Hardware Trigger	Trigger Controlled Exposure	Denoiser	Long Exposure	Line Scan	Line Scan Highspeed	Flashing	PWM Flashing	Auto Exposure	Auto Gain	Auto Whitebalance	Color Correction	Gamma	LUT	Mirroring	pixelFormats ^a	Region of Interest	Decimation (PCA)	Decimation (Sensor) ^b	Binning (Sensor) ^b	Binning (FPGA)	IP Settings	Bandwidth Management	Chunks	Scheduler	PTP	Firmware Update	
GV-504xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	-	-	✓	✓	X/Y	Monochrome, Mono10, Mono10p, Mono12p, Mono10, Mono12	✓	✓	2x2	✓	2x2	✓	✓	✓	✓	✓	✓	2.2	
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	-	-	✓	✓	X/Y	Monochrome, BayerRG8, BayerRG10p, BayerRG12p, BayerRG10, BayerRG12, RGB8, BGR8, RGB10p32, BGR10p32	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
GV-508xACP	P	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	-	-	✓	-	-	✓	✓	✓	✓	✓	✓	2.2
	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	2x2	✓	✓	✓	✓	✓	✓	2.9
GV-50CxACP	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	-	✓	-	-	✓	✓	✓	✓	✓	✓	2.9
	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	2x2	✓	✓	✓	✓	✓	✓	2.2
GV-526xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
GV-527xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	1x2	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
GV-528xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	1x2	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
GV-586xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	-	✓	✓	✓	✓	✓	✓	2.2
GV-588xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	2x2	✓	2x2 ^{3,4}	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, BayerRG8, BayerRG10p, BayerRG12p, BayerRG10, BayerRG12, RGB8, BGR8, RGB10p32, BGR10p32	✓	✓	✓	✓	✓	2x2 ^{3,4}	✓	✓	✓	✓	✓	✓	2.2
GV-589xACP	M	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, Mono10, Mono10p, Mono12, Mono10, RGB8	✓	✓	✓	✓	✓	2x2 ^{3,4}	✓	✓	✓	✓	✓	✓	2.2
	C	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	-	-	-	Monochrome, BayerRG8, BayerRG10p, BayerRG12p, BayerRG10, BayerRG12, RGB8, BGR8, RGB10p32, BGR10p32	✓	✓	✓	✓	✓	2x2 ^{3,4}	✓	✓	✓	✓	✓	✓	2.2

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