

Application Note

Feature comparison: GT, Manta, Mako

Manta feature comparison

	G-031	G-032	G-033	G-046	G-095	G-125	G-145	G-146	G-201	G-223	G-235	G-282	G-283	G-419	G-504	G-505	G-609	G-917
Image Control	Binning	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✗	✓	✓		✓
	Decimation	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Defect masking	✗	✗	✗	✗	✗	✗	✗	✗	✓ [§]	✗	✗	✗	✓ [§]	✗	✗	✗	✗
	Gamma	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Color correction / Hue / Saturation [†]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Look up tables (LUTs)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BlackLevel (Offset)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ReverseX/Y	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
	Camera Control/Feedback	Event channel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Image chunk data		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UserSets (Config Files)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PTP		✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✓
Temperature readout (Mainboard)		✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓	✓	✓	✓	✗	✓	✓

Table 1: Manta features

Mako feature comparison

	G-030	G-032	G-050	G-095	G-125	G-131	G-192	G-223	G-419	G-503
Image Control	Binning	✗	✓	✓	✓	✓	✓	✗	✗	✓
	Decimation	✓	✗	✗	✗	✗	✓	✓	✗	✓
	Defect masking	✓	✗	✗	✗	✗	✓	✓ [§]	✓ [§]	✓
	Gamma	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Color correction / Hue / Saturation [†]	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Look up tables (LUTs)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	BlackLevel (Offset)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ReverseX/Y	✓	✗	✗	✗	✗	✓	✓	✗	✗
	Piecewise Linear HDR	✓	✗	✗	✗	✗	✗	✗	✗	✗
Camera Control/Feedback	Event channel	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Image chunk data	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UserSets (Config Files)	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Temperature readout (Mainboard)	✓	✓	✓	✓	✓	✓	✓	✓	✓

Table 2: Mako features

[§]Column defect masking only.

[†]Only available for color models.

Prosilica GT feature comparison

	1290	1380	1600	1660	1910	1920	2000	2050	2300	2450	2750	3300	3400	1930L	4905	4907	6600	
Image Control	Binning	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	
	Decimation	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗	
	Defect masking	✗	✗	✗	✗	✗	✗	✓ [§]	✓ [§]	✗	✗	✗	✗	✓ [§]	✓	✓ [§]	✓ [§]	✓ [§]
	Gamma	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Color correction / Hue / Saturation [†]	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Look up tables (LUTs)	✓	✓	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✓	✓	✓	✓	✓
	BlackLevel (Offset)	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗
	ReverseX/Y	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗
	Camera Control/Feedback	Event channel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Image chunk data		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
UserSets (Config Files)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
RS-232		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PTP		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Temperature readout (Mainboard and sensor)		✓ [‡]	✓ [‡]	✓	✓	✓	✓	✓ [‡]	✓ [‡]	✓	✓ [‡]	✓	✓	✓ [‡]	✓	✓	✓	✓
DC/P-Iris lens control		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
EF lens control		✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗	✗

Table 3: GT features

[§]Column defect masking only.

[†] Only available for color models.

[‡] Temperature readout only available on the mainboard and not on the sensor.

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