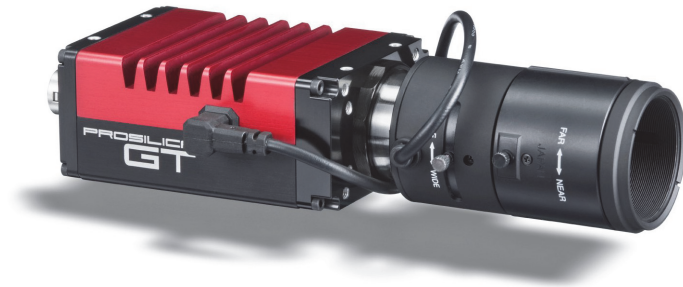


Application Note

P-Iris Lenses supported by Prosilica GT Cameras

Introduction



P-iris (Precise iris) lenses allow the camera to adjust to an exact F-number without drift, through the usage of a stepper motor. The host system knows the exact position of the iris at all times, allowing for a closed loop feedback system. This document presents a list of P-iris lenses supported by the Prosilica GT cameras.

Note



This is not a comprehensive list. New lenses from Kowa, Schneider, Computar, and Fujinon are available. Please contact the lens manufacturer for more information.

www



For detailed information on P-iris lens operation with Prosilica GT cameras see the technical Manual:

<http://www.alliedvision.com/en/support/technical-documentation>

www



For detailed information on the control attributes for P-iris controls:

http://www.alliedvision.com/fileadmin/content/documents/products/cameras/various/features/GigE_Camera_and_Driver_Attributes.pdf

LM35JC5MM

Manufacturer: Kowa
Focal length: 35 mm
Optical format: 2/3"

P-iris frequency: 200
P-iris num steps: 190
Mount: C

F-number	2	2	2.08	2.22	2.49	2.99	3.95	5.48	6.80	9.18	13.6	24.48	45.47
LensPIris Position	0	20	40	60	80	100	120	140	150	160	170	180	190

LM16JC5MM-IR

Manufacturer: Kowa
Focal length: 16 mm
Optical format: 2/3"

P-iris frequency: 200
P-iris num steps: 73
Mount: C

F-number	1.41	1.45	1.52	1.63	1.75	1.90	2.09	2.33	2.66	3.11	3.79	4.87	6.57	9.71	18.25	37.94
LensPIris Position	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	73

LM25JC5MM-IR

Manufacturer: Kowa **P-iris frequency:** 200
Focal length: 25 mm **P-iris num steps:** 73
Optical format: 2/3" **Mount:** C

F-number	1.41	1.45	1.52	1.63	1.75	1.90	2.09	2.33	2.66	3.11	3.79	4.87	6.57	9.71	18.25	37.94
LensPIris Position	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	73

LMVZ3510M

Manufacturer: Kowa **P-iris frequency:** 200
Focal length: 3.5–10 mm **P-iris num steps:** 69
Optical format: 1/2" **Mount:** CS

F-number	1.61	1.61	1.66	1.84	2.05	2.31	2.67	3.15	3.89	5.13	7.61	15.14	31.39
LensPIris Position	0	6	12	18	24	30	36	42	48	54	60	66	69

LMVZ9020M

Manufacturer: Kowa **P-iris frequency:** 200
Focal length: 9–20 mm **P-iris num steps:** 69
Optical format: 1/2" **Mount:** CS

F-number	1.63	1.72	1.87	2.05	2.27	2.52	2.85	3.27	3.85	4.71	6.10	8.83	11.49
LensPIris Position	0	6	12	18	24	30	36	42	48	54	60	66	69

AG3Z3112KCS-MPIR-V31

Manufacturer: Computar **P-iris frequency:** 200
Focal length: 3.1–8 mm **P-iris num steps:** 71
Optical format: 1/2.7" **Mount:** CS

F-number	1.2	1.2	1.4	1.5	1.8	2.0	2.4	3.0	4.1	6.0	11.0	40.0	75.0
LensPIris Position	0	6	12	18	24	30	36	42	48	54	60	66	67

AG4Z1214KCS-MPIR-V31

Manufacturer: Computar **P-iris frequency:** 200
Focal length: 12.5–50 mm **P-iris num steps:** 71
Optical format: 1/2.7" **Mount:** CS

F-number	1.7	1.7	1.8	2.0	2.1	2.3	2.9	3.5	4.7	7.0	11.0	25.0	48.0
LensPIris Position	0	6	12	18	24	30	36	42	48	54	60	66	68

M13VP288IR

Manufacturer: Tamron

P-iris frequency: 200

Focal length: 2.8–8 mm

P-iris num steps: 82

Optical format: 1/3"

Mount: CS

F-number	1.2	1.4	2.0	2.8	4.0	5.6	8.0	10.0	11.0	16.0	22.0	32.0	close
LensIris Position	0	17	36	47	55	62	67	70	71	74	76	77	82

For technical support, please contact support@alliedvision.com.

For comments or suggestions regarding this document, please contact info@alliedvision.com.

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