

Affected Product Pike F-032B/C, F-100B/C, F-210B, F-421B/C
PCN Title Camera Discontinuation of Pike F-032B/C, F-100B/C, F-210B, F-421B/C
PCN No. 2017-04-06 **PCN Issue date** 2017-June-26
Contact pcn@alliedvision.com

Type of change

- | | |
|---|---|
| <input type="checkbox"/> Regulatory / Compliance | <input type="checkbox"/> Firmware Specification |
| <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Accessories Specification |
| <input type="checkbox"/> Electrical Specification | <input checked="" type="checkbox"/> DISC (Discontinued) |
| <input type="checkbox"/> Optical Specification | <input type="checkbox"/> |

Affected item(s) / item number(s)

Standard models:

Item number	Item Description
E0000840	Camera Pike F-032B mono
E0000884	Camera Pike F-032B mono fiber
E0000845	Camera Pike F-032C color
E0000885	Camera Pike F-032C color fiber
E0000869	Camera Pike F-100B mono
E0000886	Camera Pike F-100B mono fiber
E0000870	Camera Pike F-100C color
E0000887	Camera Pike F-100C color fiber
E0000873	Camera Pike F-210B mono
E0000890	Camera Pike F-210B mono fiber
E0000882	Camera Pike F-421B mono
E0000892	Camera Pike F-421B mono fiber
E0000883	Camera Pike F-421C color
E0000893	Camera Pike F-421C color fiber

All [modular concept versions](#) and custom variants of the above-mentioned models are affected from the discontinuation.

Reason for change

Allied Vision was informed about a product discontinuation of a major component, used in the above-mentioned camera models.

As a consequence, Allied Vision needs to discontinue all camera models / variants based on this component.

Change description

The above-mentioned item numbers change over to the status "End of Life" (EOL). Please see the schedule below.

End of life schedule

	Start	End
Last time buy period	July 1, 2017	December 31, 2017
Last time shipment period	January 1, 2018	June 30, 2018
Last warranty period	July 1, 2018	June 30, 2021
Last time repair service	July 1, 2021	June 30, 2023

Customer action request

Please place your orders until last time buy date. If you expect higher volumes or deliveries after the last time shipment date, please get in touch with your Allied Vision sales representative.
 Orders for cameras in EOL status are confirmed and processed, depending on component availability. Apart from this, apply our [terms and conditions](#).

Possible successor

There is no 1:1 replacement, offering the same sensors and interface.
 The following tables provide an overview of possible replacement cameras:

Camera Model		Pike F-032B/C	Mako G-030B/C	Mako U-029B
Interface		1394b	GigE Vision	GigE Vision
Sensor Manufacturer		OnSemi	CMOSIS	OnSemi
Sensor Model		KAI-0340	CMV300	PYTHON 300
Resolution		640 x 480	640 x 480	640 x 480
Pixel Size	[μ m]	7.4	7.4	4.8
Frame Rate	[fps]	208	309	550
Sensor Size		1/3"	1/3"	1/4"
Dynamic Range	[dB]	57	56.7	57
Saturation Capacity	[e-]	17.500	9.300	6.300
Temporal Dark Noise	[e-]	26	12.9	8.2

Camera Model		Pike F-100B/C	Mako G-131B/C
Interface		1394b	GigE Vision
Sensor Manufacturer		OnSemi	e2v
Sensor Model		KAI-1020	EV76C560ABT
Resolution		1000 x 1000	1280 x 1024
Pixel Size	[μ m]	7.4	5.3
Frame Rate	[fps]	60	62
Sensor Size		2/3"	1/1.8"
Dynamic Range	[dB]	56	51.4
Saturation Capacity	[e-]	23.600	9.800
Temporal Dark Noise	[e-]	39	26

Camera Model		Pike F-210B	Manta G-235B GT1930	Mako G-234B	Mako G-223B Manta G-223B GT2000	GT1910	Manta G-283B GT1920
Interface		1394b	GigE Vision	GigE Vision	GigE Vision	GigE Vision	GigE Vision
Sensor Manufacturer		OnSemi	Sony	Sony	CMOSIS	OnSemi	Sony
Sensor Model		KAI-2093	IMX174	IMX249	CMV2000	KAI-2150	ICX674
Resolution		1920 x 1080	1936 x 1216	1936 x 1216	2048 x 1088	1920 x 1080	1936 x 1456
Pixel Size	[μm]	7.4	5.86	5.86	5.5	5.5	4.54
Frame Rate	[fps]	31	50	40	49.5 / 53.7 (GT)	57.5	30 / 40.7 (GT)
Sensor Size		1"	1/1.2"	1/1.2"	2/3"	2/3"	2/3"
Dynamic Range	[dB]	57	74	73.7	57	65	64
Saturation Capacity	[e-]	30.300	33.300	33.000	9.400	14.500	16.100
Temporal Dark Noise	[e-]	45	6	6	13	8	10

Camera Model		Pike F-421B/C	Mako G-419B/C	Manta G-419B/C	GT2050	GT3300
Interface		1394b	GigE Vision	GigE Vision	GigE Vision	GigE Vision
Sensor Manufacturer		OnSemi	CMOSIS	CMOSIS	CMOSIS	OnSemi
Sensor Model		KAI-4022	CMV4000	CMV4000	CMV4000	KAI-08050
Resolution		2048 x 2048	2048 x 2048	2048 x 2048	2048 x 2048	3296 x 2704
Pixel Size	[μm]	7.4	5.5	5.5	5.5	5.5
Frame Rate	[fps]	16	26.3	28.6	28.6	14.7
Sensor Size		1.2"	1"	1"	1"	4/3"
Dynamic Range	[dB]	57	57	57	59.2	61.9
Saturation Capacity	[e-]	17.400	9.700	9.660	9.500	18.600
Temporal Dark Noise	[e-]	24	13	14	10	14

For more specific details and other alternative products, please contact your Allied Vision Support or Sales representative.

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