

Checklist

Manta to Alvium G1 Hardware Transition

V1.3.0 2025-Jul-21



<u>Firmware</u>

Manta G: Firmware loaders 40190 | 40111 Alvium G1: Firmware V00.14.01.d83c7207



This document at a glance

Scope of this document

Our Sales and Support teams at Allied Vision and its partners want to make it easy for you to evaluate transitioning your application from Manta to Alvium G1. Therefore, this document compares data for Manta on the left to Alvium G1 on the right side of each page.

Additional notes explain differences in general and give valuable hints.



NOTICE

Damage to the camera and connected peripherals

Before you start to install and operate an Alvium G1 camera in an environment previously used with a Manta camera:

- Read the Alvium G1 Cameras User Guide.
- Observe the instructions and safety notes.

What else do you need?



Documentation for Manta cameras

For the Manta manual, model data sheets, and application notes, see www.alliedvision.com/en/support/technical-documentation/Manta-documentation.



For Alvium G1 camera documentation...

- Alvium G1 User Guide
- Feature availability between Mako G-507 and Alvium G1-507
- Additional documentation, such as feature descriptions
- Firmware downloads
- 3D CAD files (STEP)
- Accessories,

see www.alliedvision.com/en/support/technical-documentation/alvium-g1-documentation.



Contents

	Scope of this document	
	What else do you need?	2
Docum	nent history	4
Docum	nent conventions	4
	Typographical styles	4
	Symbols and notes	5
•	ications	
	Separating between Manta camera models:	6
	Applied standards	6
	Specifications excluded from this comparison	6
	Manta specifications not supported by Alvium G1	7
	Specifications common to all models	7
	Specifications for individual models	9
	Technical drawings: Mounting adapters	11
	Technical drawings: Cameras	12
	Lens mounts and maximum protrusion	13
	Optical filters	14
Camer	a interfaces	15
	Back panel and LEDs	15
	I/O connector pin assignment	16
	Opto-isolated input description	17
	Opto-isolated output description	18
	Alvium G1: Non-isolated GPIOs description	20
Contac	ct us	22
	Website, email	22

Offices	22
Liability, trademarks, and copyright	22



Document history

Version	Date	Related firmware versions	Document updates
V1.3.0	2025-Jul-21	Manta G: Firmware loaders 40190 40111 Alvium G1: Firmware V00.14.01.d83c7207	Added contents for Liability, trademarks, and copyright on page 22.
V1.2.0	2025-Feb-13	Manta G: Firmware loaders 40190 40111 Alvium G1: Firmware V00.14.01.d83c7207	Updated the reference firmware version: Several bugs were fixed, but no features or specifications were changed.
V1.1.0	2024-Nov-04	Manta G: Firmware loaders 40190 40111 Alvium G1: Firmware V00.14.00.baba1e3c	 Updated the firmware version for Alvium G1: Specifications in this document remain unchanged. Updated link location for Alvium G1 downloads.
V1.0.1	2024-Aug-29	Manta G: Firmware loaders 40190 40111 Alvium G1: Firmware V00.13.01.794391f9	 Added a note in the footer to read the instructions and safety notes in the Alvium G1 User Guide before operating Alvium G1 cameras. Added Manta's maximum RS232 voltage (15 VDC) which is much higher than Alvium G1's maximum GPIO voltage (5.5 VDC) in I/O connector pin assignment on page 16.
V1.0.0	2024-Aug-19	Manta G: Firmware loaders 40190 40111 Alvium G1: Firmware V00.13.01.794391f9	Initial document version

Table 1: Document history

Document conventions

Typographical styles

To give this manual an easily understood layout and to emphasize important information, the following typographical styles and symbols are used.

Style	Function
Emphasis	Highlighting important things
Feature names	GigE features names are displayed as monospaced text.
Web addresses and references	Links to webpages and internal cross references

Table 2: Typographical styles



Symbols and notes



NOTICE

Material damage

Precautions are described.



Practical tip

Additional information helps to understand the information.



Additional information

Web link or reference to an external source with more information is shown.



Specifications

Separating between Manta camera models:

Manta cameras are grouped in **Manta A** models or **Manta B** models. Cameras in these groups partly share the same technical data.

Contents in this document refer to these groups.

Group	Sensor technology	Supported models
Manta A	CCD 1-tap	Manta G-031,-032,-033,-046,-125,-145,-146,-201,-504
Manta B	CMOS	Manta G-040, G-158, G-223, G-235, G-282, G-283, G-319, G-419, G-505, G-507, G-895, G-917, G-1236, G-1620, G-2040, G-2460

Table 3: Manta A and Manta B models

Applied standards

Standard	Manta A	Manta B	Alvium G1		
GigE Vision			Supported		
GenlCam			Supported		
IP class		IP30 class ((according to IEC 60529)		
Shock and vibration					
Random vibration testing	Not applicable	DIN ISO 9022-3-37-01-1	IEC 60068-2-64 (higher stress level than Manta)		
Shock testing	IEC 60068-2-27	DIN ISO 9022-3-30-03-1	IEC 60068-2-27 (20g/11ms)		
Bump testing	Not applicable	DIN ISO 9022-3-31-01-1	Not applicable		
Sinusoidal vibration testing	IEC 60068-2-6	Not applicable	IEC 60068-2-6 (10-500Hz, 1.5mm/20g)		
Lens load (non-static applications)	Not	applicable	Lens < 140 grams, length < 38 mm, center of gravity = 20 mm		

Table 4: Applied standards | Manta versus Alvium G1

Specifications excluded from this comparison

Please see the corresponding camera manual for:

- Curves for quantum efficiency and spectral response
- ROI frame rates and formulas for calculation (Manta only)
- Camera feature availability.



Manta specifications not supported by Alvium G1

The following specifications stated for Manta cameras do not apply to Alvium G1 cameras:

- Auto iris, Decimation, HDR mode
- StreamHoldCapacity: This read-only firmware feature does not comply with the SFNC and is not supported by Alvium G1. Based on the image buffer size, you can calculate the number of images that can be stored on the camera for the corresponding pixel format and image resolution.
- Tap mode applies to 3 Manta CCD sensors only that are not available as Alvium G1.
- Trigger related parameters: Trigger latency, Trigger jitter, Time between exposures

Specifications common to all models

Feature	Manta: Specification	Alvium G1: Specification
Pixel formats ¹		
Monochrome pixel formats	Mono8, Mono12Packed, Mono12	Mono8, Mono10, Mono10p, Mono12, Mono12p
YUV color pixel formats	YUV411Packed, YUV422Packed, YUV444Packed	YCbCr411_8_CbYYCrYY, YCbCr422_8_CbYCrY, YCbCr8_CbYCr
RGB color pixel formats	RGB8Packed, BGR8Packed	BGR8, RGB8
RAW pixel formats	BayerRG8, BayerRG12, BayerRG12Packed	BayerRG8, BayerRG10, BayerRG10p, BayerRG12, BayerRG12p
Image buffer		
Image buffer (RAM)	32 or 128 MByte (model dependent)	32 MByte
Lens mount and filter		
Default lens mount	C-Mount, CS-Mount	C-Mount, CS-Mount ² , S-Mount ²
Default optical filter	Monochrome and NIR models: No filter	S-Mount models, monochrome and NIR models: No filter
	Color models: Type Hoya C-5000 IR cut filter	Color models: Type Hoya C-5000 IR cut filter
¹ Only models with a sensor bit depth	n (ADC) of 12-bit support 12-bit pixel formats.	
² Depending on the sensor size, these	e options are available on demand.	
³ To avoid damaging the camera, use	e with external power only, not with PoE.	

Table 5: Common model specifications | Manta versus Alvium G1 (Sheet 1 of 2)



Feature	Manta: Specification	Alvium G1: Specification
I/Os and power requirements		
I/Os (opto-isolated)	2 inputs, 2 outputs	1 input, 1 output
GPIOs (non-isolated)	Not applicable	2 GPIOs ³
RS232	1 TxD, 1 RxD	1 UART Tx, 1 UART Rx
Power requirements	8 to 30 VDC AUX or IEEE 802.3af	10.8 to 26.4 VDC AUX or IEEE 802.3af
Conditions for operation and st	orage	
Operating temperature	+5 °C to +45 °C (ambient, without condensation)	-20 °C to +65 °C (housing) -20 °C to +85 °C (mainboard)
Storage temperature	-10°C to +70°C (ambient, without condensation)	-20 °C to +85 °C (ambient)
Operating humidity	20% to 80% (non-condensing)	0% to 80% humidity (non-condensing)
Temperature monitoring		Mainboard
Camera dimensions (L × W × H)		
C-Mount	62 mm × 44 mm × 29 mm	41 mm × 29 mm × 29 mm
CS-Mount	57 mm × 44 mm × 29 mm	36 mm × 29 mm × 29 mm
S-Mount	Not applicable	36 mm × 29 mm × 29 mm
Mass (typical)		
C-Mount	190 to 210 g (depending on model and PoE)	
CS-Mount	On request	65 g
S-Mount	Not applicable	
Interface and camera control sta	andard	
Interface standard	IEEE 802.3 1000BASE-T	(Gigabit Ethernet) and IEEE 802.3af (PoE)
	GigE Vis	sion Standard Version 1.2
Camera control standard	GenlCam SFNC Version 1.2.1	GenlCam SFNC Version 2.7
¹ Only models with a sensor bit dep	th (ADC) of 12-bit support 12-bit pixel formats.	
² Depending on the sensor size, the	se options are available on demand.	
To avoid damaging the camera, us	se with external power only, not with PoE.	

Table 5: Common model specifications | Manta versus Alvium G1 (Sheet 2 of 2)



Specifications for individual models

The following table compares Manta models with Alvium models using the same or a similar sensor.

		Manta					Alvium G
ı	Sensor	Feature	Specification	Mode	el	el Sensor	el Sensor Feature
		Max. frame rate	286 fps (313 fps) ¹				Max. frame rate
		Exposure time range	16 μs to 85.89 s; 1 μs increments	-			Exposure time range
	Sony IMX287 Sony IMX273	Gain	0 to 40 dB; 0.1 dB increments	040	Sony IMX2	Sony IMX287	Sony IMX287 Gain
Sony IMX287 Sony IMX273 Sony IMX265	Binning	H: 1 to 4 pixels; V: 1 to 4 rows				Binning	
		Power consumption	2.77 W at 12 VDC; 3.23 W PoE				Power consumption
		Max. frame rate	75 fps (89 fps) ¹				Max. frame rate
		Exposure time range	16 μs to 85.89 s; 1 μs increments				Exposure time range
Sony IMX273	Gain	0 to 40 dB; 0.1 dB increments	158	Sony IMX273	ny IMX273	ny IMX273 Gain	
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows	_			Binning
		Power consumption	2.79 W at 12 VDC; 3.26 W PoE				Power consumption
		Max. frame rate	37 fps (45 fps) ¹				Max. frame rate
		Exposure time range	16 μs to 85.89 s; 1 μs increments				Exposure time range
<u>1</u> 9	Sony IMX265	Gain	0 to 40 dB; 0.1 dB increments	319	Sony IMX265		Gain
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows				Binning
	Sony IMX287 Sony IMX287 Gair Binr Pow Sony IMX273 Gair Binr Pow Max Expo Sony IMX265 Gair Binr Pow Max Expo Sony IMX264 Gair Binr Binr Pow Max Expo Gair Binr Pow Max Expo Gair Binr Pow Max Expo Sony IMX264 Gair Binr	Power consumption	2.7 W at 12 VDC; 3.1W PoE				Power consumption
		Max. frame rate	23 fps (28 fps) ¹				Max. frame rate
		Exposure time range	16 μs to 85.89 s; 1 μs increments				Exposure time range
507	Sony IMX264	Gain	0 to 40 dB; 0.1 dB increments	507	Sony IMX264		Gain
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows				Binning
		Power consumption	2.8 W at 12 VDC; 3.0 W PoE				Power consumption

Table 6: Specifications for individual models (Sheet 1 of 3)



		Manta		_		Alvium G	l
Model	Sensor	Feature	Specification	Model	Sensor	Feature	S
		Max. frame rate	13.4 fps (16.2 fps) ¹			Max. frame rate	
		Exposure time range	16 μs to 85.89 s; 1 μs increments	_		Exposure time range	
95	Sony IMX267	Gain	0 to 40 dB; 0.1 dB increments	895	Sony IMX267	Gain	
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows			Binning	
		Power consumption	3.0 W at 12 VDC; 3.3 W PoE			Power consumption	
		Max. frame rate	9.7 fps (11.8 fps) ¹			Max. frame rate	
	6 Sony IMX304	Exposure time range	16 μs to 85.89 s; 1 μs increments	-	Sony IMX304	Exposure time range	
236	Sony IMX304	Gain	0 to 40 dB; 0.1 dB increments	1236		Gain	
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows	_		Binning	
		Power consumption	3.0 W at 12 VDC; 3.3 W PoE			Power consumption	
		Max. frame rate	7.4 fps (8.4 fps) ¹			Max. frame rate	
		Exposure time range	4 μs to 171.8 s; 1 μs incr.	_	Sony IMX542	Exposure time range	
520	Sony IMX542	Gain	0 to 40 dB; 0.1 dB increments	1620		Gain	
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows			Binning	
		Power consumption	3.3 W at 12 VDC; 3.9 W PoE			Power consumption	
		Max. frame rate	5.9 fps (6.7 fps) ¹			Max. frame rate	
		Exposure time range	44 μs to 171.8 s; 1 μs incr.	-		Exposure time range	
040	Sony IMX541	Gain	0 to 40 dB; 0.1 dB increments	2040	Sony IMX541	Gain	
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows	-		Binning	
		Power consumption	3.3 W at 12 VDC; 3.9 W PoE			Power consumption	

Table 6: Specifications for individual models (Sheet 2 of 3)



	Manta							
Model	Sensor	Feature	Specification		Model	Sensor	Feature	Specification
		Max. frame rate	4.9 fps (5.6 fps) ¹				Max. frame rate	4.8 fps
		Exposure time range	4 μs to 171.8 s; 1 μs increments			Exposure time range	47 μs to 10 s	
2460	Sony IMX540	Gain	0 to 40 dB; 0.1 dB increments		2460	Sony IMX540	Gain	0 to 48 dB; 0.1 dB increment
		Binning	H: 1 to 4 pixels; V: 1 to 4 rows				Binning	H: 1 to 8 pixels; V: 1 to 8 rows
		Power consumption	3.2 W at 12 VDC; 3.9 W PoE				Power consumption	4.0 W at 12 VDC; 4.4W PoE
General:	Frame rates abov	e 20 fps are displayed wi	thout decimal places ¹ Frame rate using	g Burst	mode			

Table 6: Specifications for individual models (Sheet 3 of 3)

Technical drawings: Mounting adapters

The Alvium G1 mounting adapter provides the bottom mounting holes of Manta camera to make the replacement easy.

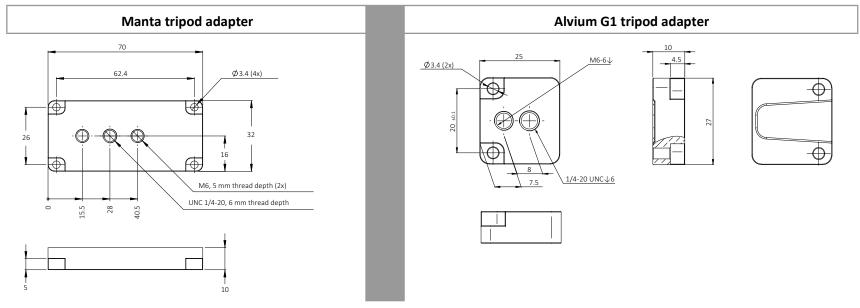


Figure 1: Technical drawings mounting adapters | Manta versus Alvium G1



Technical drawings: Cameras

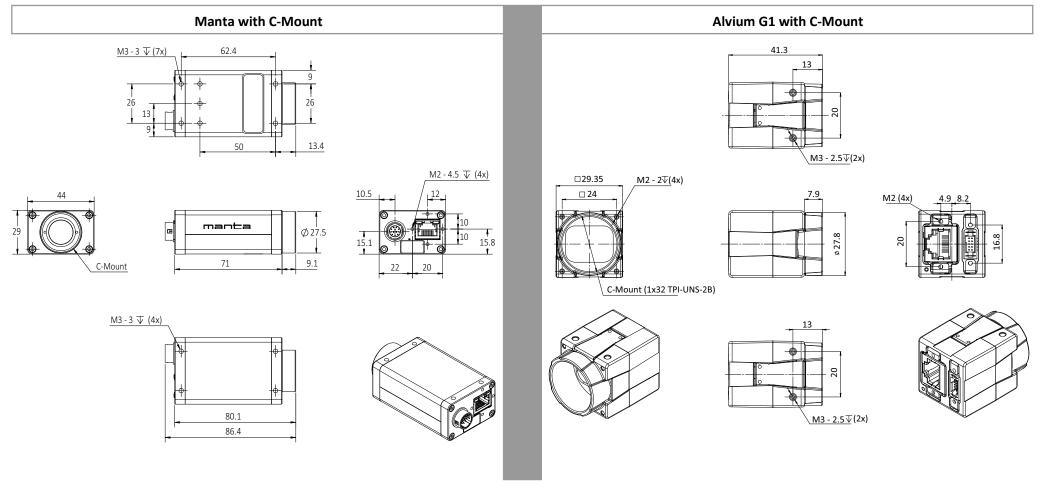


Figure 2: Technical drawings | Manta versus Alvium G1



Reusing mounting holes for Manta with Alvium G1 cameras

Depending on the mounting options you currently use, you might be able to mount an Alvium G1 camera using the existing mounting holes. In some cases it may be necessary to use one of the adapter plates shown in Lens mounts and maximum protrusion on page 13.



Lens mounts and maximum protrusion

The maximum protrusion for Alvium G1 is greater than for Manta. Typically, lenses can be reused.

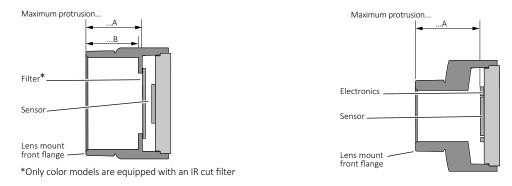


Figure 3: Maximum protrusion parameters — C-Mount and CS-Mount (left); S-Mount (right)

Figure 3 shows schematics for maximum protrusion of lenses, Table 7 shows values for maximum protrusion.



NOTICE

Damage to lenses and filters

If you install individual screw-in filters in Alvium G1 cameras, the value for maximum protrusion is reduced.

	Manta A		Mai	Manta B			Alvium G1			
Mount	Filter diameter	Max. protrusion A	Max. protrusion B	Max. protrusion A	Max. protrusion B		Filter diameter	Max. protrusion A	Max. protrusion	
C-Mount	16 mm	9.7 mm	N.a.	9.7 mm ⁽¹⁾	N.a.				13.6 mm	
J-IVIOUITE	22 mm	N.a.	N.a.	10.7 mm ⁽²⁾	N.a.		Does not	Greater than for Manta		
C Marret	16 mm	6.7 mm	N.a.	6.7 mm ⁽¹⁾	N.a.		affect		0.6	
CS-Mount	22 mm	N.a.	N.a.	5.7 mm ⁽²⁾	N.a.		maximum		8.6 mm	
-Mount	16 mm	Contact Allied Vision Support.					protrusion.	11.0 mm	Not applicable	
22 mm								11.0 111111	пот аррпсавле	
Manta G-04	40, G-158, G-3	19, G-507 ² Manta G-	895, G-1236, G-1620, G	-2040, G-2460						

Table 7: Maximum protrusion values | Manta versus Alvium G1



Optical filters

Manta and Alvium G1 color cameras (except for Alvium G1 S-Mount) are equipped with the same type of IR cut filter. The Modular Concept offers additional filter options for Manta. Please ask Allied Vision Support for options with Alvium G1.

	Manta: Filter availability			Al	vium G1: Filter avai	lability
Color or monochrome model	C-Mount	CS-Mount	S-Mount	C-Mount	CS-Mount	S-Mount
Color	Type Hoya C	Type Hoya C5000 IR cut filter		Type Hoya C5000 IR cut filter No fi		No filter
Monochrome	No	o filter	Vision Support.		No filter	

Table 8: Optical filter availability | Manta versus Alvium G1

The following plot shows the filter transmission response for the type C-5000 IR cut filter. Values may vary slightly by filter lot.

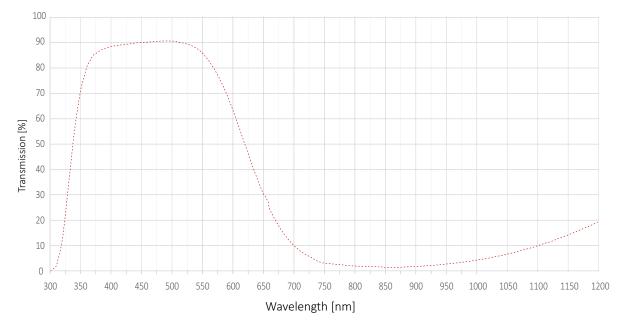


Figure 4: Optical filter spectral transmission (exemplary curve) | Common for Manta and Alvium G1



Camera interfaces

Back panel and LEDs

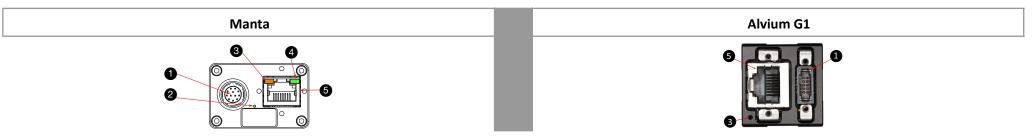


Figure 5: Back panel overview | Manta versus Alvium G1

Number	Manta A	Manta B	Alvium G1
1	12-pin Hirose I	/O port	10-pin TFM I/O port
2	LED 3 (Manta A models with PoE only)	No	applicable
3	LED 1 (oran	nge)	Multi-color LED (green, yellow, red)
4	LED 2 (gre	en)	Not applicable
5		Gigabit Ethernet port	

Table 9: Back panel elements legend | Manta versus Alvium G1

Status	Manta A	Manta B	Alvium G1
Camera powered	Solid LED 3/green (off when not powered)	Not applicable	Not applicable
Booting routine	Slow flashing LED 2/green		Solid yellow
1 GBit/s Ethernet link established	Solid LED 1/orange		Slow flashing green
100 MBit/s Ethernet link established	Solid LED 2/green		Not applicable
1 GBit/s Network traffic	Flashing LED 1/orange		Not applicable
100 MBit/s Network traffic	Flashing LED 2/green		Not applicable
Transmission error	Four rapid flashes per second by LED 2/green		Solid red

Table 10: LED status codes | Manta versus Alvium G1



I/O connector pin assignment

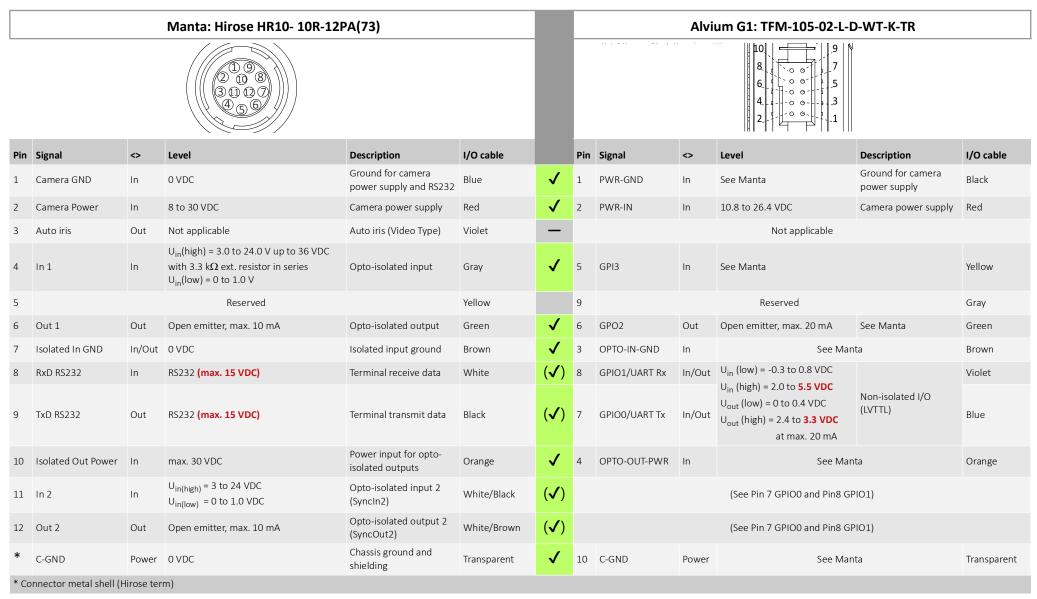


Table 11: I/O connector pin assignment | Manta versus Alvium G1



Opto-isolated input description

For Alvium G1's non-isolated GPIOs, see Alvium G1: Non-isolated GPIOs description on page 20.

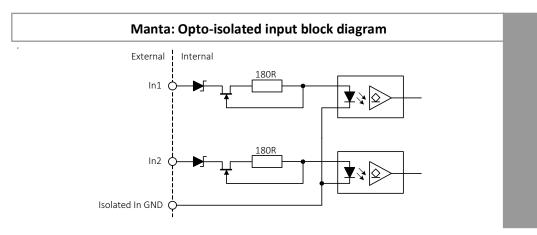


Figure 6: Opto-isolated input block diagram | Manta versus Alvium G1

Parameter	Manta = Alvium G1: Opto-isolated input levels
U _{in} (low)	0 to 1.0 V
U _{in} (high)	3 to 24 V
Current (constant-current source)	3 to 4 mA

Table 12: Opto-isolated iput levels | Common for Manta and Alvium G1

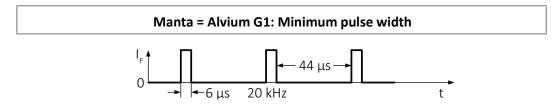
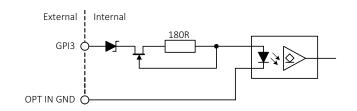


Figure 7: Minimum pulse width | Common for Manta and Alvium G1

Common test conditions for Manta and Alvium G1: The input signal was driven with 3.3 V and no external additional series resistor.







Opto-isolated output description

For Alvium G1's non-isolated GPIOs, see Alvium G1: Non-isolated GPIOs description on page 20.

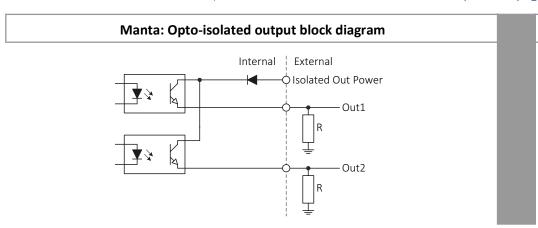


Figure 8: Opto-isolated output block diagram | Manta versus Alvium G1

Opto-isolated output levels

Manta = Alvium G1: Opto-isolated output levels	
5 V at 1.0 k Ω	
12 V at 2.4 k Ω	
24 V at 4.7k Ω	

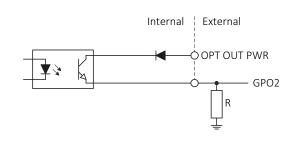
At ~ 5 mA minimum required current draw.

Manta: A resistor is required if **Out1**, **Out2** is connected to a device with < 5 mA draw, that is, high impedance.

Alvium G1: A resistor is required if **GPO2** is connected to a device with < 5 mA draw, that is, high impedance.

Table 13: Opto-isolated output levels | Common for Manta and Alvium G1

Alvium G1: Opto-isolated output block diagram





Opto-isolated output switching times

The opto-isolated output switching times are common for Manta and Alvium G1.

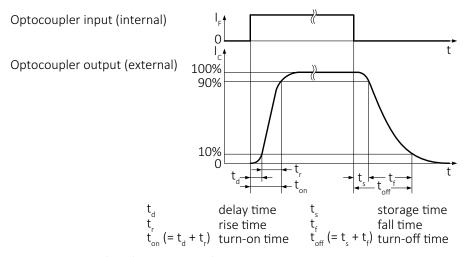


Figure 9: Opto-isolated output switching times parameters

Manta = Alvium G1: Parameter and value			
$t_d \approx 1 \mu s$	$t_s \approx 26 \ \mu s$		
$t_r \approx 1 \ \mu s$	$t_f \approx 21 \ \mu s$		
$t_{on} = t_d + t_r \approx 2 \mu s$	$t_{off} = t_s + t_f \approx 47 \mu s$ (t_{off} can deviate by ± 5 μs)		

Table 14: Parameter values | Common for Manta and Alvium G1

Test conditions for the output: external 2.4 k Ω resistor to ground, Isolated Out Power set to 12 Volts.



Alvium G1: Non-isolated GPIOs description

The camera has two non-isolated GPIOs that can be configured by software to act as inputs or outputs.

Alvium G1 GPIOs use the push-pull technology to switch the signal level between low and high. For low levels, the signal is "pulled" down towards ground level. For high levels, the signal is "pushed" up towards VCC level.

Alvium G1 GPIOs feature the CMOS push-pull output drivers and Schmitt trigger inputs with an internal pull-up resistor and a filter circuit, shown in Figure 10. The push-pull GPIOs are able to source or sink current from an external pin.

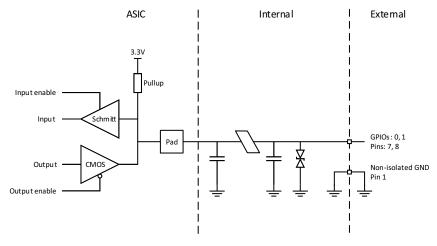


Figure 10: Non-isolated GPIOs block diagram | Alvium G1

Non-isolated input levels

The GPIOs can be connected directly to the system controlling the camera for voltages up to 5.5 VDC. An external resistor is not necessary.



NOTICE

Damage to the camera by high input voltage

Exceeding the maximum input voltage can damage the camera.

Keep maximum input voltage below 5.5 VDC.



Parameter	Value
U _{in} (low)	-0.3 to 0.8 VDC
U _{in} (high)	2.0 to 5.5 VDC
Undefined levels	0.8 to 2.0 VDC

Table 15: Non-isolated GPIOs as input, voltage levels | Alvium G1

Non-isolated output levels



NOTICE

Damage to the camera by high output current

The camera can be damaged when connected to a device that exceeds the specified maximum current or voltage. Keep the maximum current below 12 mA per output.

Parameter	Value
External output voltage U _{out} (low, Off state)	0 to 0.4 VDC
External output voltage U _{out} (high, On state)	2.4 to 3.3 VDC
Undefined levels	0.4 to 2.4 VDC
Maximum external output voltage	3.3 VDC
Maximum output current	12 mA

Table 16: GPIOs as output, current and voltage levels | Alvium G1



Output voltage for U_{Out} (high) = On state

The voltage level in the On state depends on the load current. Higher currents yield lower voltage.



Contact us

Website, email

General

www.alliedvision.com/en/contact info@alliedvision.com

Offices

Europe, Middle East, and Africa (Headquarters)

Allied Vision Technologies GmbH
Taschenweg 2a
07646 Stadtroda, Germany
T// +49 36428 677-0 (Reception)
T// +49 36428 677-230 (Sales)
F// +49 36428 677-28

North, Central, and South America, Canada

Allied Vision Technologies Canada Inc. 300 – 4621 Canada Way Burnaby, BC V5G 4X8, Canada T// +1 604 875 8855

Support

www.alliedvision.com/en/support www.alliedvision.com/en/about-us/contact-us/technical-support-repair-/-rma

USA

Allied Vision Technologies, Inc. 102 Pickering Way- Suite 502 Exton, PA 19341, USA Toll-free// +1-877-USA-1394 T// +1 978 225 2030

Asia-Pacific | China

Allied Vision Technologies Shanghai Co Ltd. B-510, Venture International Business Park 2679 Hechuan Road Minhang District, Shanghai 201103 People's Republic of China T// +86 21 64861133

Distribution partners

www.alliedvision.com/en/avt-locations/avt-distributors

Singapore

Allied Vision Technologies Asia Pte. Ltd 82 Playfair Rd, #07-01 D'Lithium Singapore 368001 T// +65 6634 9027

Japan

Allied Vision Technologies Yokohama Portside Bldg. 10F 8-1 Sakae-cho, Kanagawa-ku Yokohama-shi, Kanagawa, 221-0052 T// +81 (0) 45 577 9527

Liability, trademarks, and copyright

Allied Vision has tested the product under the described conditions. The customer assumes all risk of product damage, application compromise or potential failure, and Sales Warranty loss related to deviation from the described conditions. Allied Vision's acknowledgement of such deviations in the customer's modified product or applications does not constitute advice for use. No Warranty is offered or implied by Allied Vision regarding the customer's assumed risk or legal responsibilities with such modified products or applications.

All text, pictures, and graphics are protected by copyright and other laws protecting intellectual property. All content is subject to change without notice. All trademarks, logos, and brands cited in this document are property and/or copyright material of their respective owners. Use of these trademarks, logos, and brands does not imply endorsement.

Copyright © 2025 Allied Vision Technologies GmbH. All rights reserved.