

Sales@thinklucid.com

© 2019 LUCID Vision Labs, Incorporated. All rights reserved. Phoenix, Triton, ArenaView and other names and marks appearing on the products herein are either registered trademarks or trademarks of Lucid Vision Labs, Inc. and/or its subsidiaries. Subject to change without notice. Ver 1.47/17/2019

Helios[™] Time of Flight is Better than Ever



Specifications

Interface, Power, and Size Information	
Digital Interface	1000BASE-T GigE, M12 X-coded
GPIO Interface	8 pin M8 connector
Opto-Isolated I/O Ports	1 input, 1 output
Non-Isolated I/O Ports	2 bi-directional
Dimensions	55 x 55 x 77.7 mm
Lens Mount	Integrated lens with 6mm focal length (not user changeable)
Weight	254 g
Power Requirement	18-24 V through GPIO
Power Consumption	< 15W

Working Ranges	Near mode: up to 1.5m Far mode: up to 6m
Accuracy	Less than 5mm (0.3m to 1.5m)
Precision	Standard deviation less than 2mm at 1m
Lens Field of View	59° x 45° (nominal)
Illumination	4 x VCSEL laser diodes @ 850nm
Camera Features	
Camera Features User Sets	1 default and 2 custom
	1 default and 2 custom Manual
User Sets	
User Sets Exposure Control	Manual

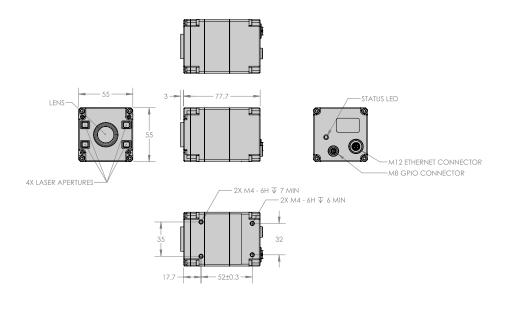
Near mode: up to 1.5m

Imaging Properties

Standard	GigE Vision v2.0, GenICam 3D
Compliance	CE, FCC, RoHS, REACH, WEEE, Eye Safety Class 1 IEC/EN 60825-1:2014
Operating Temperature	-10 to 60°C

Helios ToF Camera Drawings

Standard and Certifications







© 2019 LUCID Vision Labs, Incorporated. All rights reserved. Phoenix, Triton, ArenaView and other names and marks appearing on the products herein are either registered trademarks or trademarks of Lucid Vision Labs, Inc. and/or its subsidiaries. Subject to change without notice. Ver 1.4 7/17/2019