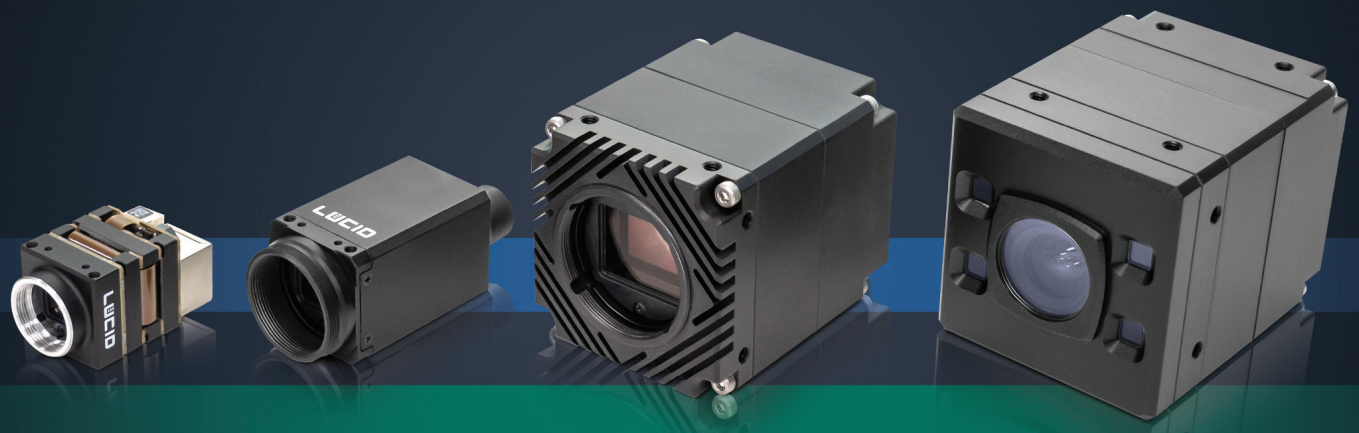
THE INDUSTRIAL CAMERA EVOLVED



Be Inspired. Think LUCID.

LUCID
VISION LABS

Phoenix™

Flexible Camera Module Designed for Easy OEM Integration

The Phoenix is a micro compact camera with a versatile board design, measuring only 24 x 24 mm and 28 x 28 mm. Its default shape resembles a traditional camera but can easily be transformed to best fit your application. It further advances industrial miniaturization with options for compact S or NF-mount lens and FCC or ix Industrial® Ethernet connectors.

GiGE VISION GEN<i>CAM

Phoenix™

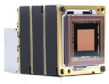
Flexible Camera Module Designed for Easy OEM Integration

24 x 24 mm Models


C-mount


NF-mount


S-mount


No mount (NM)


RJ45 Connector


FFC Connector


ix Connector

For the latest Phoenix models and machine vision accessories, including NF-mount lenses and ix Industrial cables please visit www.thinklucid.com

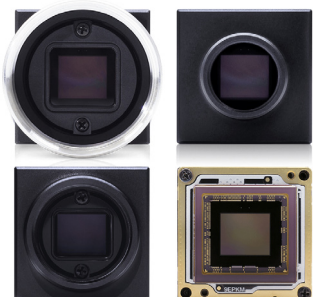
Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
PHX122S	12.2 MP	**4024 x 3036 px**	9.1 fps	**Sony IMX226 CMOS**	1/1.7"	**1.85 µm**	Rolling	**C/NM**	RJ45 / ix / FFC
PHX064S	6.3 MP	**3072 x 2048 px**	17.7 fps	**Sony IMX178 CMOS**	1/1.8"	**2.4 µm**	Rolling	**C/NF/NM**	RJ45 / ix / FFC
PHX050S-PC **PHX050S-QC**	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX250MZR CMOS** **Sony IMX250MYR CMOS**	2/3"	**3.45 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC
PHX050S1-PC **PHX050S1-QC**	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX264MZR CMOS** **Sony IMX264MYR CMOS**	2/3"	**3.45 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC
PHX051S	5.0 MP	**2448x2048 px**	22 fps	**Sony IMX568 CMOS**	1/1.8"	**2.74 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC
PHX050S	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX264 CMOS**	2/3"	**3.45 µm**	Global	**C/NF/NM**	RJ45 / ix / FFC
PHX032S	3.2 MP	**2048 x 1536 px**	35.4 fps	**Sony IMX265 CMOS**	1/1.8"	**3.45 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC
PHX023S	2.3 MP	**1920 x 1200 px**	48.3 fps	**Sony IMX392 CMOS**	1/2.3"	**3.45 µm**	Global	**C/NF/NM**	RJ45 / ix / FFC
PHX016S	1.6 MP	**1440 x 1080 px**	71.6 fps	**Sony IMX273 CMOS**	1/2.9"	**3.45 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC
PHX004S	0.4 MP	**728 x 544 px**	286 fps	**Sony IMX287 CMOS**	1/2.9"	**6.9 µm**	Global	**C/NF/S/NM**	RJ45 / ix / FFC

28 x 28 mm Models


C-mount with RJ45

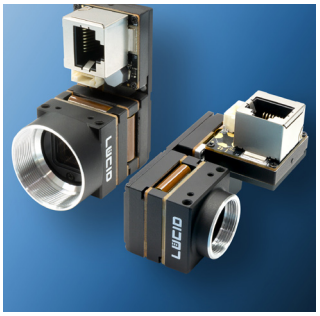
Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
PHX200S	20.0 MP	**5472 x 3648 px**	5.6 fps	**Sony IMX183 CMOS**	1"	**2.40 µm**	Rolling	**C / 无镜头座**	RJ45 / ix / FFC
PHX124S	12.3MP	**4096 x 3000 px**	9.0 fps	**Sony IMX565 CMOS**	1/1.1"	**2.74 µm**	Global	**C / 无镜头座**	RJ45 / ix / FFC
PHX120S	12.3 MP	**4096 x 3000 px**	9.0 fps	**Sony IMX304 CMOS**	1.1"	**3.45 µm**	Global	**C / 无镜头座**	RJ45 / ix / FFC
PHX081S	8.1 MP	**2840 x 2840 px**	13.8 fps	**Sony IMX566 CMOS**	2/3"	**2.74 µm**	Global	**C / 无镜头座**	RJ45 / ix / FFC
PHX089S	8.9 MP	**4096 x 2160 px**	12.5 fps	**Sony IMX267 CMOS**	1"	**3.45 µm**	Global	**C / 无镜头座**	RJ45 / ix / FFC

Highlights



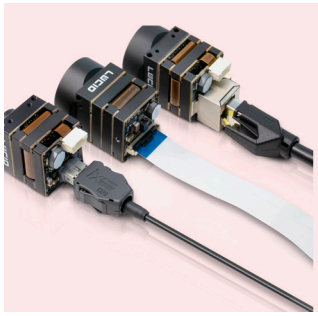
Lens Mounts

Choose between S, NF, and C-mount, and for those who need maximum space-savings, a no-mount option is available.



Transformable

Transform any Phoenix camera. Get everything you need with our Phoenix Transform Kit for 90° and 180° shape configurations.



Ethernet Connectors

In addition to RJ45, the Phoenix camera offers the ix Industrial Ethernet connector and Flat Flexible Cable (FFC) connector.

C-Mount Extended Head

The C-mount extended head option ensures flexible integration and helps installation requirements in tight spaces. Available for all 24x24 mm models.

Triton™

Factory Tough™ Industrial Camera

The Triton camera sets a new price performance standard in the industrial camera market. Active Sensor Alignment for superior optical performance, a lightweight, compact 29 x 29 mm size, and IP67 protection with a sealed lens tube make the Triton camera suitable for harsh industrial environments. The M12 Ethernet and M8 I/O connectors provide a robust and sturdy connection. All Triton models are shock and vibration certified.

GiGE VISION GEN<i>CAM

Triton™

Factory Tough™ Industrial Camera

Triton Models

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
TRI245S	24.5 MP	**5320x4600px**	4.5 fps	**Sony IMX540 CMOS**	4/3"	**2.74 µm**	Global	**C**	M12
TRI204S	20.4 MP	**4510x4510px**	5.5 fps	**Sony IMX541 CMOS**	1.1"	**2.74 µm**	Global	**C**	M12
TRI200S	20.0 MP	**5472 x 3648 px**	5.6 fps	**Sony IMX183 CMOS**	1"	**2.40 µm**	Rolling	**C**	M12
TRI162S	16.2 MP	**5320x3040px**	6.9 fps	**Sony IMX542 CMOS**	1.1"	**2.74 µm**	Global	**C**	M12
TRI124S	12.3 MP	**4096 x 3000px**	9.0 fps	**Sony IMX545 CMOS**	1/1.1"	**2.74 µm**	Global	**C**	M12
TRI120S	12.3 MP	**4096 x 3000 px**	9.0 fps	**Sony IMX304 CMOS**	1.1"	**3.45 µm**	Global	**C**	M12
TRI122S	12.2 MP	**4024 x 3036 px**	9.1 fps	**Sony IMX226 CMOS**	1/1.7"	**1.85 µm**	Rolling	**C**	M12
TRI089S	8.9 MP	**4096 x 2160 px**	12.5 fps	**Sony IMX267 CMOS**	1"	**3.45 µm**	Global	**C**	M12
TRI081S	8.1 MP	**2840 x 2840px**	14.8 fps	**Sony IMX546 CMOS**	2/3"	**2.74 µm**	Global	**C**	M12
TRI071S	7.1 MP	**3208 x 2200 px**	15.8 fps	**Sony IMX428 CMOS**	1.1"	**4.5 µm**	Global	**C**	M12
TRI064S	6.3 MP	**3072 x 2048 px**	17.7 fps	**Sony IMX178 CMOS**	1/1.8"	**2.40 µm**	Rolling	**C**	M12
TRI054S	5.4 MP	**2880 x 1860 px**	20.8 fps	**Sony IMX490 CMOS**	1/1.55"	**3.0 µm**	Rolling	**C**	M12
TRI050S-PC **TRI050S-QC**	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX250MZR CMOS** **Sony IMX250MYR CMOS**	2/3"	**3.45 µm**	Global	**C**	M12
TRI050S1-PC **TRI050S1-QC**	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX264MZR CMOS** **Sony IMX264MYR CMOS**	2/3"	**3.45 µm**	Global	**C**	M12
TRI051S	5.0 MP	**2448 x 2048px**	22fps	**Sony IMX547 CMOS**	1/1.8"	**2.74 µm**	Global	**C**	M12
TRI050S	5.0 MP	**2448 x 2048 px**	22 fps	**Sony IMX264 CMOS**	2/3"	**3.45 µm**	Global	**C**	M12
TRI032S	3.2 MP	**2048 x 1536 px**	35.4 fps	**Sony IMX265 CMOS**	1/1.8"	**3.45 µm**	Global	**C**	M12
TRI028S	2.8 MP	**1936 x 1464 px**	39.2 fps	**Sony IMX429 CMOS**	2/3"	**4.5 µm**	Global	**C**	M12
TRI023S	2.3 MP	**1920 x 1200 px**	48.3 fps	**Sony IMX392 CMOS**	1/2.3"	**3.45 µm**	Global	**C**	M12
TRI016S	1.6 MP	**1440 x 1080 px**	71.6 fps	**Sony IMX273 CMOS**	1/2.9"	**3.45 µm**	Global	**C**	M12
TRI005S	0.5 MP	**812 x 620 px**	166.4 fps	**Sony IMX433 CMOS**	1/1.7"	**9.0 µm**	Global	**C**	M12
TRI004S	0.4 MP	**728 x 544 px**	286 fps	**Sony IMX287 CMOS**	1/2.9"	**6.9 µm**	Global	**C**	M12

For the latest Triton models and machine vision accessories, including IP67 lens tubes and M12 / M8 cables please visit www.thinklucid.com

Line Scan

Model	Resolution	Line Rate	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
TRI02KA	**2048 x 1 px**	60 kHz	**AMS Dragster DR-2k-7**	14.3 mm	**7.0 µm**	Global	**C**	M12

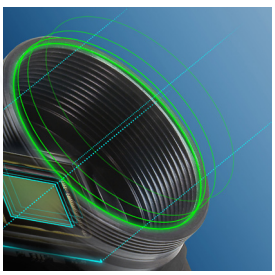
Embedded Vision

Model	Chipset	Resolution	MP	Sensor	Sensor Size	Pixel Size	Shutter	Lens Mount	GigE Interface
Triton Edge	Xilinx UltraScale+ ZU3CG MPSoC	**1440 x 1080 px**	1.6 MP	**Sony IMX296 CMOS**	1/2.9"	**3.45 µm**	Global	**C**	M12

Highlights

IP67 Protection

By adding LUCID's IP67 lens tube, the camera can be protected from both dust and water particles.

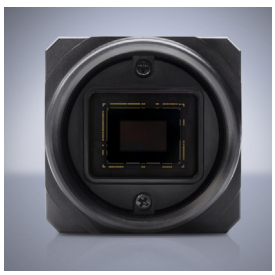


Active Sensor Alignment

All Triton cameras are actively aligned to minimize sensor tilt and rotation, and to place the center of the sensor at the lens optical axis.

M12 and M8 Connectors

Designed to provide a sealed connection resistant to shock and vibration. Shielded against electrical interference.



Sony Sensors

Designed to maximize the performance of Pregius and Starvis CMOS sensors, including polarized sensors.

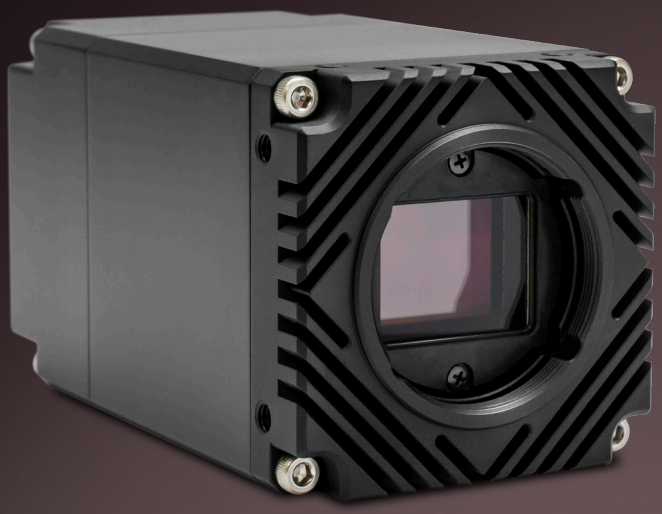
Beyond Small and Light

At only 67 grams and 29 x 29 mm, the Triton is an easy and reliable fit in any environment.

Atlas10 / Atlas™

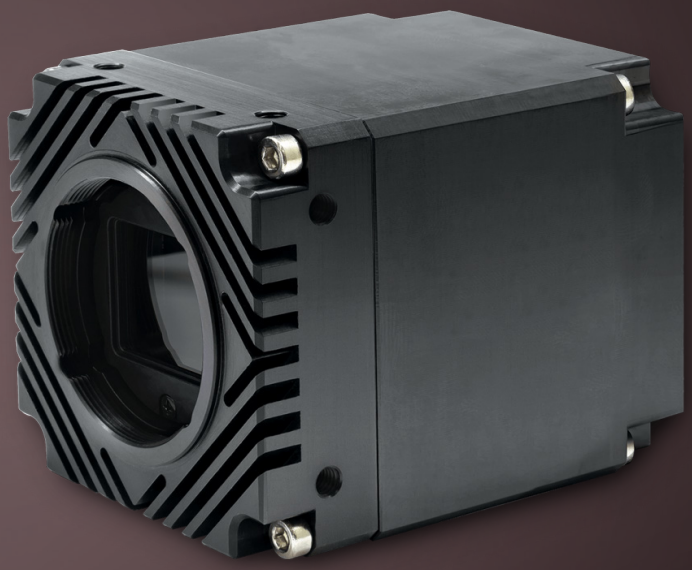
High Resolution and High Speed

10GBASE-T PoE and 5GBASE-T PoE camera models are capable of data transfer rates of over 1.1 GB or 600 MB per second. Its large format allows for higher resolutions and higher frame rates over standard Ethernet cables up to 100 meters. The Atlas models are equipped with a TFL or C-mount with actively aligned sensors for superior optical performance.



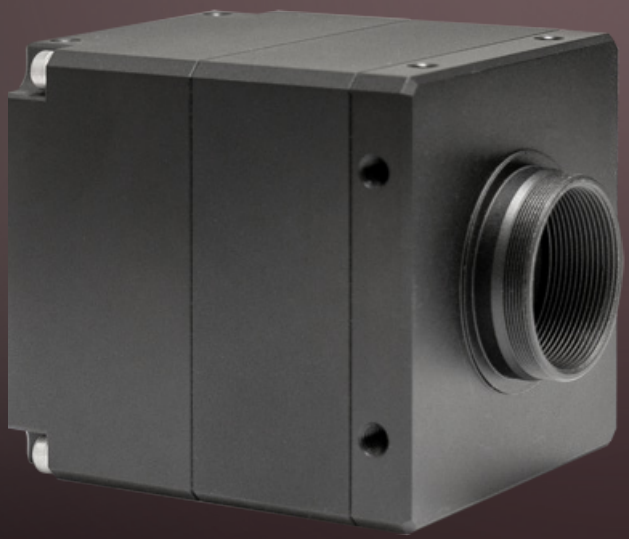
Atlas10

10GiGE with Power over Ethernet



Atlas

5GiGE with Power over Ethernet



Atlas SWIR

SWIR

GiGE VISION

GEN<i>CAM

Atlas10™ / Atlas

Atlas10


10GiGE + 4th GENERATION Pregius S
with Power over Ethernet

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
ATX245S	24.5 MP	**5320 x 4600 px**	50.6 fps	**Sony IMX530 CMOS**	4/3"	**2.74 µm**	Global	**TFL (M35 x 0.75)**	10GBASE-T, M12
ATX204S	20.4 MP	**4510 x 4510 px**	61 fps	**Sony IMX531 CMOS**	1.1"	**2.74 µm**	Global	**C-mount**	10GBASE-T, M12
ATX162S	16.2 MP	**5320 x 3040 px**	76.1 fps	**Sony IMX532 CMOS**	1.1"	**2.74 µm**	Global	**C-mount**	10GBASE-T, M12
ATX124S	12.3 MP	**4096x 3000 px**	89.7 fps	**Sony IMX535 CMOS**	1/1.1"	**2.74 µm**	Global	**C-mount**	10GBASE-T, M12
ATX081S	8.1 MP	**2840 x2840px**	136.7 fps	**Sony IMX536 CMOS**	2/3"	**2.74 µm**	Global	**C-mount**	10GBASE-T, M12
ATX051S	5.0 MP	**2448x2048 px**	205 fps	**Sony IMX537 CMOS**	1/1.8"	**2.74 µm**	Global	**C-mount**	10GBASE-T, M12

Atlas


5GiGE
with Power over Ethernet

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
ATL314S	31.4 MP	**6464 x 4852 px**	17.9 fps	**Sony IMX342 CMOS**	APS-C	**3.45 µm**	Global	**TFL (M35 x 0.75)**	5GBASE-T, M12
ATL196S	19.6 MP	**4416 x 4428 px**	27.9 fps	**Sony IMX367 CMOS**	4/3"	**3.45 µm**	Global	**TFL (M35 x 0.75)**	5GBASE-T, M12
ATL168S	16.8 MP	**5456 x 3076 px**	32.9 fps	**Sony IMX387 CMOS**	4/3"	**3.45 µm**	Global	**TFL (M35 x 0.75)**	5GBASE-T, M12
ATL120S	12.3 MP	**4096 x 3000 px**	42.5 fps	**Sony IMX253 CMOS**	1.1"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATL089S	8.9 MP	**4096 x 2160 px**	58.5 fps	**Sony IMX255 CMOS**	1"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATL071S	7.1 MP	**3208 x 2200 px**	74.6 fps	**Sony IMX420 CMOS**	1.1"	**4.5 µm**	Global	**C-mount**	5GBASE-T, M12
ATL050S	5.0MP	**2448 x 2048 px**	98 fps	**Sony IMX250 CMOS**	2/3"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATL028S	2.8 MP	**1936 x 1464 px**	173 fps	**Sony IMX421 CMOS**	2/3"	**4.5 µm**	Global	**C-mount**	5GBASE-T, M12

Atlas IP67


5GiGE + IP67
with Power over Ethernet

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
ATP245S*	24.5 MP	**5320x4600 px**	TBD	**Sony IMX540 CMOS**	4/3"	**2.74 µm**	Global	**c-mount**	5GBASE-T, M12
ATP204S*	20.4 MP	**4504 x 4504 px**	TBD	**Sony IMX541 CMOS**	1.1"	**2.74 µm**	Global	**C-mount**	5GBASE-T, M12
ATP200S	20.0 MP	**5472 x 3648 px**	17.9 fps	**Sony IMX183 CMOS**	1"	**2.40 µm**	Rolling	**C-mount**	5GBASE-T, M12
ATP162S*	16.2 MP	**5320 x 3032 px**	TBD	**Sony IMX542 CMOS**	1.1"	**2.74 µm**	Global	**C-mount**	5GBASE-T, M12
ATP124S*	12.3 MP	**4096 x 3000 px**	TBD	**Sony IMX545 CMOS**	1/1.1"	**2.74 µm**	Global	**C-mount**	5GBASE-T, M12
ATP120S*	12.3 MP	**4096 x 3000 px**	42.5 fps	**Sony IMX253 CMOS**	1.1"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATP089S*	8.9 MP	**4096 x 2160 px**	58.5 fps	**Sony IMX255 CMOS**	1"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATP081S*	8.1 MP	**2840 x 2840 px**	TBD	**Sony IMX546 CMOS**	2/3"	**2.74 µm**	Global	**C-mount**	5GBASE-T, M12
ATP071S	7.1 MP	**3208 x 2200 px**	74.6 fps	**Sony IMX420 CMOS**	1.1"	**4.5 µm**	Global	**C-mount**	5GBASE-T, M12
ATP051S*	5.0 MP	**2448 x 2048 px**	TBD	**Sony IMX547 CMOS**	1/1.8"	**2.74 µm**	Global	**C-mount**	5GBASE-T, M12
ATP050S*	5.0 MP	**2448 x 2048 px**	98 fps	**Sony IMX250 CMOS**	2/3"	**3.45 µm**	Global	**C-mount**	5GBASE-T, M12
ATP028S*	2.8 MP	**1936 x 1464 px**	173 fps	**Sony IMX421 CMOS**	2/3"	**4.5 µm**	Global	**C-mount**	5GBASE-T, M12

*Coming soon

Atlas SWIR

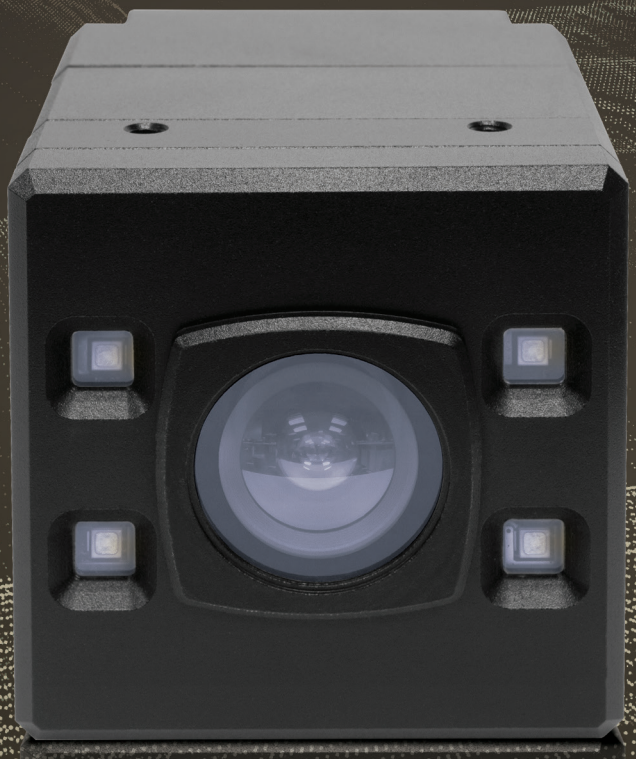

SWIR + IP67

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
ATP003-WC	0.3 MP	**640x512 px**	256 fps	**Sony IMX991 CMOS**	1/4"	**5 µm**	Global	**C**	M12 GigE Vision
ATP013-WC	1.3 MP	**1280x1024 px**	84.9 fps	**Sony IMX990 CMOS**	1/2"	**5 µm**	Global	**C**	M12 GigE Vision

Helios™2

3D Time-Of-Flight (ToF) Camera

LUCID's Helios2 ToF 3D camera has four 850nm VCSEL laser diodes and integrates Sony's DepthSense™ IMX556PLR back-illuminated ToF image sensor with high NIR sensitivity, 10µm pixel size, and high modulation contrast ratio. This IP67 ToF camera can produce depth data at 30 frames per second with 640×480 resolution over a PoE Gigabit Ethernet interface. It is compliant with the GigE Vision and GenICam 3D standard for ease of integration using LUCID's Arena SDK or third-party machine vision software.



GiGE VISION GEN<i>CAM

Helios™2

3D Time-Of-Flight (ToF) Camera

Helios2

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Max Range	IP Rating	GigE Interface
HLT003S	0.3 MP	**640 x 480 px**	30 fps	**Sony IMX556 CMOS**	1/2"	**10 µm**	Global	**0.3 - 8.33 m**	IP67	**M12**

Physical, Interface, and Power Information	
Digital Interface	1 Gigabit Ethernet with PoE, M12 connector IEC 61076-2-109
GPIO Interface	8-pin M8 connector IEC 61076-2-104
I/O ports	1 input, 1 output, 2 bidirectional
Dimension	60 x 60 x 77.5 mm
IP Rating	IP67
Weight	398 g
Power Requirements	PoE+(802.3at), 18-24 V through GPIO

Imaging Properties	
Working Range	0.3 - 8.33 m
Distance Modes	<1.5m, <3.0m, <4.0m, <5.0m, <6.0m, <8.33m (All modes run at 30 FPS)
Accuracy	± 3 mm (0.3 m to 1.5 m)
Precision	± 0.7 mm (measured at 1 m)
Lens Field of View	69° x 51° (nominal)
Illumination	4 x VCSEL laser diodes @ 850nm

Helios2+

HDR + HIGH SPEED

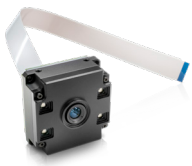
Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	IP Rating	GigE Interface
HTP003S-001	0.3 MP	**640 x 480 px**	30 fps (Normal) 10 fps (HDR) 103 fps (High-Speed)	**Sony IMX556 CMOS**	1/2"	**10 µm**	Global	IP67	**M12**

3D+RGB Kit

Everything you need to create color point clouds

Model SKUs	Quantity	Description
HLT003S-001	1	Helios2 Time-of-Flight 3D Camera, IP67, 640x480px, 30 FPS, M12 GigE
TRI032S-CC	1	Triton 3.2MP Color Camera, IP67, 2048 x 1536 px, 32 FPS, M12 GigE
UC060-5M	1	Universe Compact C-Mount Lens 5MP 2/3" 6mm (Manufacturer P/N: BL060C)
IPTC-D270L346	1	IP67 C-Mount Lens Tube, Inner Ø: 27mm, Inner Length: 34.6mm
HLT-TRI-MNT	1	Triton to Helios2 mounting bracket with 8 screws (4x M4 and 4x M3 with washers)
CAB-MR-2M	2	M12 to RJ45 IP67 Cat6a Cable – 2.0m, Dark Green
PCIE-POE2	1	2-CH PCIe GigE Vision PoE+ Card

Helios *Flex*



Note: NVIDIA AXG Xavier and Jetson TX2 developer kits sold separately. Visit NVIDIA for pricing and purchase information.

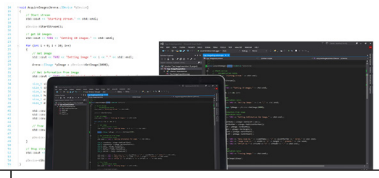
Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	Interface
HLF003S-001JETUS1 **HLF003S-001JETEU1**	0.3 MP	**640 x 480 px**	30 fps	**Sony IMX556 CMOS**	1/2"	**10 µm**	Global	**Integrated Lens**	MIPI D-PHY CSI-2

Helios

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	GigE Interface
HLS003S	0.3 MP	**640 x 480 px**	30 fps	**Sony IMX556 CMOS**	1/2"	**10 µm**	Global	**Integrated Lens**	M12

ARENA™ SDK

Connect, Control, and Create



DEVELOP AND DEPLOY

Comprehensive API Toolkit

The Arena SDK provides API access to a variety of camera feature sets. Image chunk data provides meta-data on captured images. Events and triggers can be used to create deterministic camera operations. Save and load streamable camera settings for quicker setup across multiple cameras.

Our SDK allows you to build and scale custom solutions quickly and easily.

- **Windows • Linux • ARM**
- **Arena C++ library**
- **Arena C Library**
- **Arena .NET library**
- **Python library**

LEARN AND IMPLEMENT

Code Examples

Check out our code examples to learn how to use features on your camera. Each example project provides a buildable, executable demonstration of how to accomplish a particular task using an available technology.

Examples available in:

- **C++**
- **C**
- **C#**
- **Python**

CONNECT AND VALIDATE

ArenaView GUI

The Arena SDK includes an easy to use GUI called ArenaView. Based on the GenICam standard, ArenaView allows you to access and validate camera features quickly and easily through the GenICam XML based feature tree. Improved readability for todays diverse range of screen resolutions and optional workspace color schemes.

- **GenICam compliant**
- **Instant feature search**
- **Dockable panels**
- **Histogram**
- **Line View**
- **Pixel Peek**
- **Sharpness Indicator**
- **Optimized for UHD resolutions**
- **Dark and light color schemes**

HTML 5, CSS3, JAVASCRIPT

Arena UI

Arena UI is our user interface (UI) framework. Based on HTML 5, CSS3, and JavaScript, it allows users to rapidly create client applications. This flexible UI framework modernizes the approach, look, and maintenance of client applications. For example, build responsive applications that dynamically adjust layout for different screen resolutions or easily change application styles by switching CSS style sheets

FAMILIAR AND CONSISTENT

GenICam 3 Compliant

GenICam™ is an interface agnostic, programming standard for machine vision cameras. The Arena SDK supports the latest GenICam 3 standard enabling faster camera enumeration and a smaller memory footprint.

GEN<i>CAM

- **Consistent GenICam experience**
- **Modernized XML structure for fast loads**
- **Reduced code size and memory usage**
- **Optimized for more efficient embedded system operations**

Accessories

Lenses

Model	Mount	Max Sensor Size	Focal Length	Max Aperture	Weight
Lucid NF120-5M	NF-Mount	2/3"	**12 mm**	f/2.0	40 g
Lucid NF120-5M-C	C-Mount	2/3"	**12 mm**	f/2.0	38 g
Edmund Optics 67-709	C-Mount	1/1.8"	**6 mm**	f/1.4	102 g
Edmund Optics 58-000	C-Mount	2/3"	**8.5 mm**	f/1.3	80 g
Edmund Optics 58-001	C-Mount	2/3"	**12 mm**	f/1.8	54 g
Edmund Optics 59-870	C-Mount	2/3"	**16 mm**	f/1.6	73 g
Edmund Optics 59-871	C-Mount	2/3"	**25 mm**	f/1.4	73 g
Edmund Optics 59-872	C-Mount	2/3"	**35 mm**	f/1.65	72 g
Edmund Optics 59-873	C-Mount	2/3"	**50 mm**	f/2.0	107 g
Computar V0828-MPY	C-Mount	1.1"	**8 mm**	f/2.8	155 g
Computar V1228-MPY	C-Mount	1.1"	**12 mm**	f/2.8	98 g
Computar V1628-MPY	C-Mount	1.1"	**16 mm**	f/2.8	91 g
Computar V2528-MPY	C-Mount	1.1"	**25 mm**	f/2.8	78 g
Computar V3528-MPY	C-Mount	1.1"	**35 mm**	f/2.8	103 g
Edmund Optics 11-320	TFL-Mount	APS-C	**50 mm**	f/1.8	276 g
Edmund Optics 11-322	TFL-Mount	APS-C	**100 mm**	f/2.88	597 g

More lens options available online.

Lens Tubes

Model	Length	Outer Diameter	Inner Diameter
IPTC-D270L346	46.5 mm	**Ø 33.0mm**	Ø 27.0 mm
IPTC-D355L299	40 mm	**Ø 41.0mm**	Ø 35.5 mm
IPTC-D355L399	50 mm	**Ø 41.0mm**	Ø 35.5 mm
IPTC-D355L599	70 mm	**Ø 41.0mm**	Ø 35.5 mm
IPTC-D440L385	49.0 mm	**Ø 51.0mm**	Ø 44.0 mm
IPTC-D440L685	79.0 mm	**Ø 51.0mm**	Ø 44.0 mm
IPTC-D590L555	66.0 mm	**Ø 68.0mm**	Ø 59.0 mm
IPTC-D590L715	82.0 mm	**Ø 68.0mm**	Ø 59.0 mm

ATL Lens Mount Adapter

ADA-TFL-F	TFL-Mount to F-Mount Lens Adapter
ADA-TFL-C	TFL-Mount to C-Mount Adapter

PHX Transform Kit

Model	Transform Type	Compatibility
PHX24-TK	90°, 180°	**All 24 x 24mm PHX**
PHX28-TK	90°, 180°	**All 28 x 28mm PHX**
FFC-15-JST-RJ45	FFC extension	**All PHX FFC models**
FFC-15-JST-M12	FFC extension	**All PHX FFC models**

Cables

Model	Type	Rating	Length	Weight	AWG	Color
StarTech C6ASPAT7BK	RJ45 (Both)	**CAT6a**	2.1 m	**89 g**	26	Black
StarTech C6ASPAT15BK	RJ45 (Both)	**CAT6a**	4.6 m	**190 g**	26	Black
LUCID CAB-IR-2M	ix Industrial, RJ45	**CAT6a**	2.0 m	**90 g**	26	Black
LUCID CAB-IR-5M	ix Industrial, RJ45	**CAT6a**	5.0 m	**204 g**	26	Black
LUCID CAB-MR-2M	M12 X-Coded, RJ45	**CAT6a**	2.0 m	**110 g**	26	Dark Green
LUCID CAB-MR-5M	M12 X-Coded, RJ45	**CAT6a**	5.0 m	**224 g**	26	Dark Green
LUCID CAB-MR-5M-RA1	M12 X-Coded Right Angle Down, RJ45	**CAT6a**	5.0 m	**248 g**	26	Dark Green
LUCID CAB-MR-5M-RA2	M12 X-Coded Right Angle Up, RJ45	**CAT6a**	5.0 m	**248 g**	26	Dark Green
LUCID CAB-MR-15M	M12 X-Coded, RJ45	**CAT6a**	15.0 m	**607 g**	26	Dark Green
LUCID CAB-MR-15M-RA1	M12 X-Coded Right Angle Down, RJ45	**CAT6a**	15.0 m	**658 g**	26	Dark Green
LUCID CAB-MR-15M-RA2	M12 X-Coded Right Angle Up, RJ45	**CAT6a**	15.0 m	**658 g**	26	Dark Green
GPIO-8P20	8-pin JST	**GPIO**	20 cm	**3 g**	28	Multi-colored
GPIO-M8	8-pin M8	**GPIO**	1.0 m	**86 g**	26	Black
GPIO-M8-5M	8-pin M8	**GPIO**	5.0 m	**225 g**	26	Black
GPIO-M8-5M-RA1	8-pin M8 Right Angle Down	**GPIO**	5.0 m	**205 g**	26	Black
GPIO-M8-5M-RA2	8-pin M8 Right Angle Up	**GPIO**	5.0 m	**205 g**	26	Black
GPIO-M8-15M-RA1	8-pin M8 Right Angle Down	**GPIO**	15.0 m	**567 g**	26	Black
GPIO-M8-15M-RA2	8-pin M8 Right Angle Up	**GPIO**	15.0 m	**567 g**	26	Black

Interface Cards

Model	Form Factor	Ports
PCIE-POE2-MG	PCI Express x4	**2 - 10G/ 5G/ 2.5G/ 1 GigE PoE**
PCI-POE1-MG2	PCI Express x4	**1 - 10G/ 5G/ 2.5G/ 1 GigE PoE**
ADLINK PCIe-GIE72	PCI Express x4	**2 GigE PoE**
ADLINK PCIe-GIE74	PCI Express x4	**4 GigE PoE**
Intel EXPI9301CTBLK	PCI Express x1	**1 GigE**

PoE Injectors

Model	Form Factor	Ports
TP-Link TL-POE150S	External	**1 GigE in** **1 GigE PoE out**
PHIHONG POE21U-1AF	External	**1 GigE in** **1 GigE PoE out**

Be Inspired. Think LUCID.

LUCID Vision Labs™, Inc. designs and manufactures innovative machine vision cameras and components that utilize the latest technologies to deliver exceptional value to customers. Our compact, high-performance GigE Vision cameras are suited for a wide range of industries such as factory automation, medical, life sciences and logistics. Our expertise combines deep industry experience with a passion for product quality, technology innovation and customer service excellence. LUCID Vision Labs, Inc. was founded in January 2017 and is located in Richmond, BC, Canada.

LUCID Headquarters
LUCID Vision Labs, Inc.
130-13200 Delf Place,
Richmond B.C.
Canada, V6V 2A2
EMAIL: sales@thinklucid.com
PHONE: 1-833-465-8243

Europe, Middle East, Africa
LUCID Vision Labs GmbH
Renntalstraße 14, 74360 Ilsfeld
Germany
EMAIL: sales.emea@thinklucid.com
PHONE: +49 (0) 7062 97676 12

Asia Pacific
LUCID Vision Labs G.K
Eishin Bldg. 4F 3-6-1, Kanda-Ogawamachi,
Chiyoda-ku, Tokyo 101-0052 Japan
EMAIL: sales.apac@thinklucid.com
PHONE: +81 3 5577 7915

Greater China
LUCID Vision Labs, China
51F, Raffles City, No 268 Middle Xizang Road,
Huangpu District, Shanghai, China.
EMAIL: sales.gc@thinklucid.com

LUCID
VISION LABS