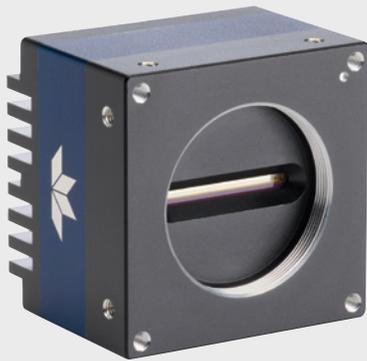


# TETRA

Low-Cost Line Scan Cameras



## KEY FEATURES

- Low-cost
- Single line/HDR/TDI
- Multiple regions of interest for calibration and data reduction
- Programmable coefficient sets
- Programmable I/Os
- 2.5/10 GigE Vision
- Power over Ethernet (2.5G)
- Made in China

## TYPICAL APPLICATIONS

- Electronics
- Printed circuit boards
- Packaging
- Film, glass and web
- Wood inspection
- Print inspection
- General machine vision

## Tetra 2.5/10 GigE monochrome cameras

The Tetra camera is remarkably cost effective, making line scan technology more accessible than ever. Using Teledyne DALSA's latest line scan sensor technology, it delivers superior image quality, high dynamic range, and low power consumption using a 2.5/10 GigE Vision® interface for many cost sensitive applications.

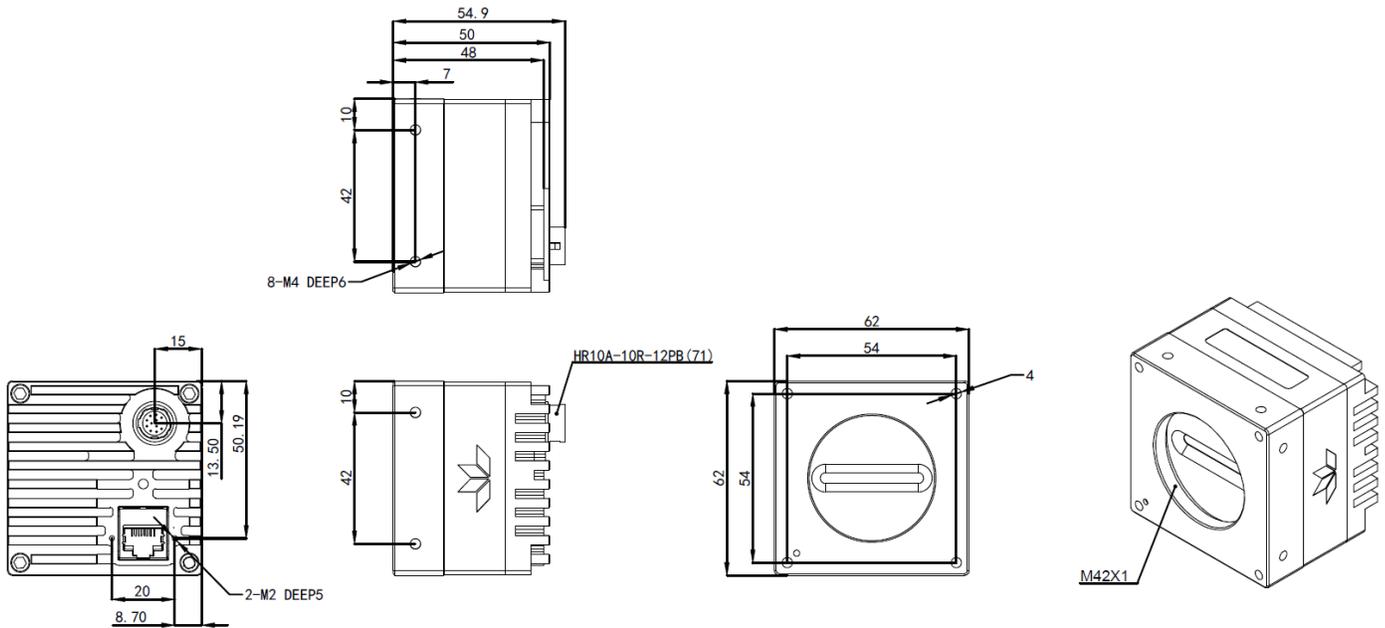
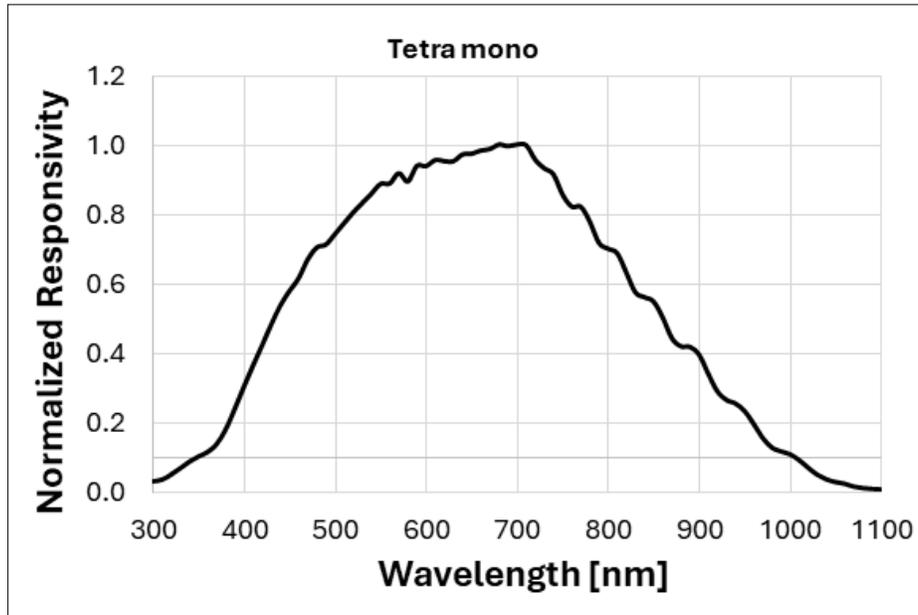
## SPECIFICATIONS

Part Number	TL-GM-02k15B (2.5G)	TL-GM-04k07B (2.5G) TL-GM-04k16B (10G)	TL-GM-08k07S (2.5G) TL-GM-08k08S (10G)
Resolution, pixel	2,048 x 2	4,096 x 2	8,192 x 1
Line Rate, kHz	150	75 (2.5G) / 165 (10G)	75 (2.5G) / 82 (10G)
Pixel Size, µm	14 x 14	7 x 7	3.5 x 3.5
Data Format, bit	8/10		
Dynamic Range, dB	70		
Full Well, ke-	30		
Read Noise, e-	9		
Power Dissipation, W	6 (2.5G) / 11 (10G)		
Operating Temp, °C	0 to +55		
Dimension, mm	62 (W) x 62 (H) x 50 (D)		
Weight, g	297		
Lens Mount	M42 x 1		
Data Interface	2.5/10 GigE Vision, RJ45		
Power and GPIO	+12 to +24VDC or PoE (2.5G), Hirose-12		

## PRODUCT SUPPORT



**SPECIFICATIONS**



**FOR MORE INFORMATION CONTACT:**

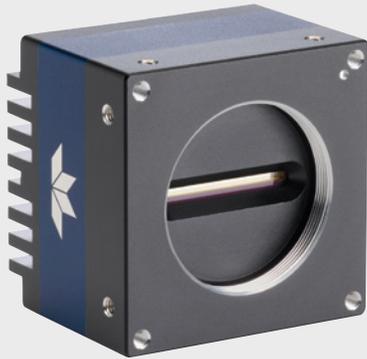
THE AMERICAS	Boston, USA   +1-978-670-2000   TDI_sales.americas@teledyne.com
EUROPE	Munich, Germany   +49-89-89-54-57-3-80   TDI_sales.europe@teledyne.com
JAPAN & ASIA PACIFIC	Tokyo, Japan   +81-3-5960-6353   TDI_sales.asia@teledyne.com
SHANGHAI OFFICE	Shanghai, China   +86-21-60131571 ext. 801   saleschina@teledyne.com

This document does not contain information whose export/transfer/disclosure is restricted by the Canadian Export Control regulation. Teledyne DALSA has its corporate offices in Waterloo, Canada. Teledyne DALSA reserves the right to make changes at any time without notice. 2025 © Teledyne DALSA.

Revision: 03-070-25023-00  
Revision Date: 2025 12 16

# TETRA

Low-Cost Line Scan Cameras



## KEY FEATURES

- Low cost
- Trilinear RGB colors
- Multiple regions of interest for calibration and data reduction
- Programmable coefficient sets
- Programmable I/Os
- 2.5/10 GigE Vision
- Power over Ethernet (2.5G)
- Made in China

## TYPICAL APPLICATIONS

- Electronics
- Optical sorting
- Packaging
- Film and textiles
- Wood inspection
- Print inspection
- Web inspection
- General machine vision

## Tetra 2.5/10 GigE color cameras

The Tetra camera is remarkably cost effective, making line scan technology more accessible than ever. Using Teledyne DALSA's latest line scan sensor technology, it delivers superior image quality, true RGB colors, and low power consumption using a 2.5/10 GigE Vision® interface for many cost sensitive applications

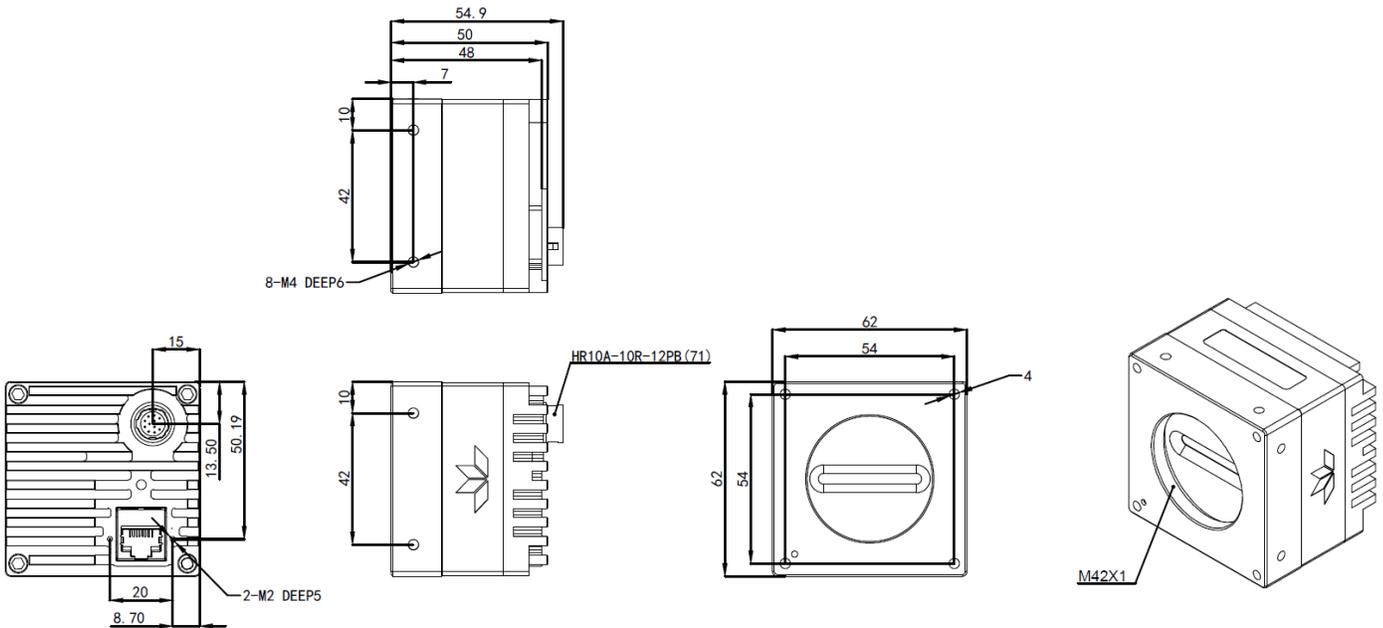
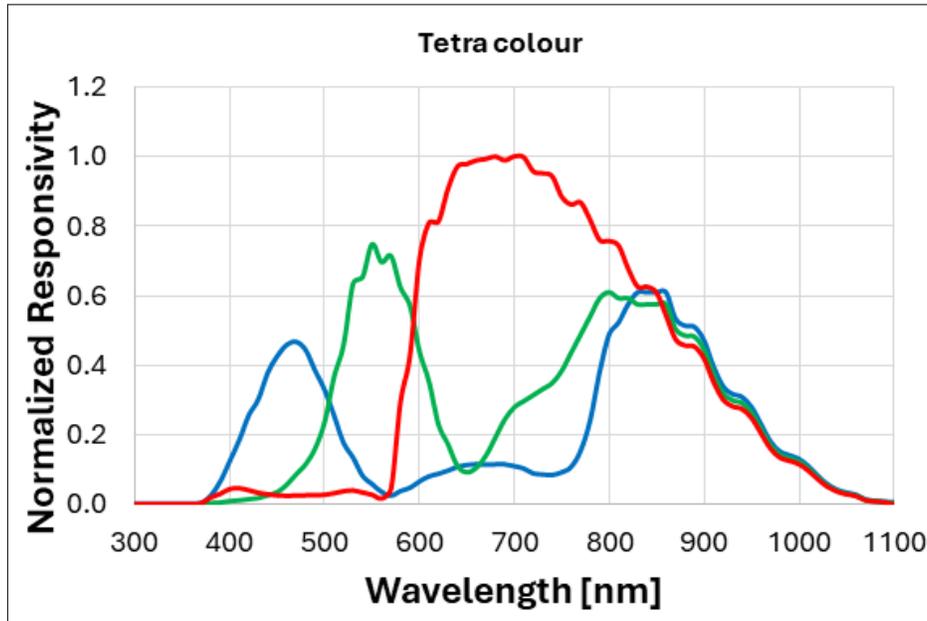
## SPECIFICATIONS

Part Number	TL-GC-02k05T (2.5G)	TL-GC-04k02T (2.5G) TL-GC-04k04T (10G)
Resolution, pixel	2,048 x 3	4,096 x 3
Line Rate, kHz	50 x 3	25 x 3 (2.5G) / 42 x 3 (10G)
Pixel Size, µm	14 x 14	7 x 7
Data Format (bit)	8	
Dynamic Range, dB	70	
Full Well, ke-	30	
Read Noise, e-	9	
Power Dissipation, W	6 (2.5G) / 11 (10G)	
Operating Temp, °C	0 to +55	
Dimension, mm	62 (W) x 62 (H) x 50 (D)	
Weight, g	297	
Lens Mount	M42 x 1	
Data Interface	2.5/10 GigE Vision, RJ45	
Power and GPIO	+12 to +24VDC or PoE (2.5G), Hirose-12	

## PRODUCT SUPPORT



SPECIFICATIONS



FOR MORE INFORMATION CONTACT:

THE AMERICAS	Boston, USA   +1-978-670-2000   TDI_sales.americas@teledyne.com
EUROPE	Munich, Germany   +49-89-89-54-57-3-80   TDI_sales.europe@teledyne.com
JAPAN & ASIA PACIFIC	Tokyo, Japan   +81-3-5960-6353   TDI_sales.asia@teledyne.com
SHANGHAI OFFICE	Shanghai, China   +86-21-60131571 ext. 801   saleschina@teledyne.com

This document does not contain information whose export/transfer/disclosure is restricted by the Canadian Export Control regulation. Teledyne DALSA has its corporate offices in Waterloo, Canada. Teledyne DALSA reserves the right to make changes at any time without notice. 2025 © Teledyne DALSA.

Revision: 03-070-25024-00  
Revision Date: 2025 12 16