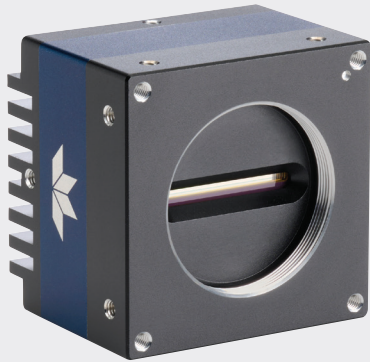


# TETRA

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
- Precision Time Protocol
- 2.5 GigE Vision
- Power over Ethernet

## TYPICAL APPLICATIONS

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

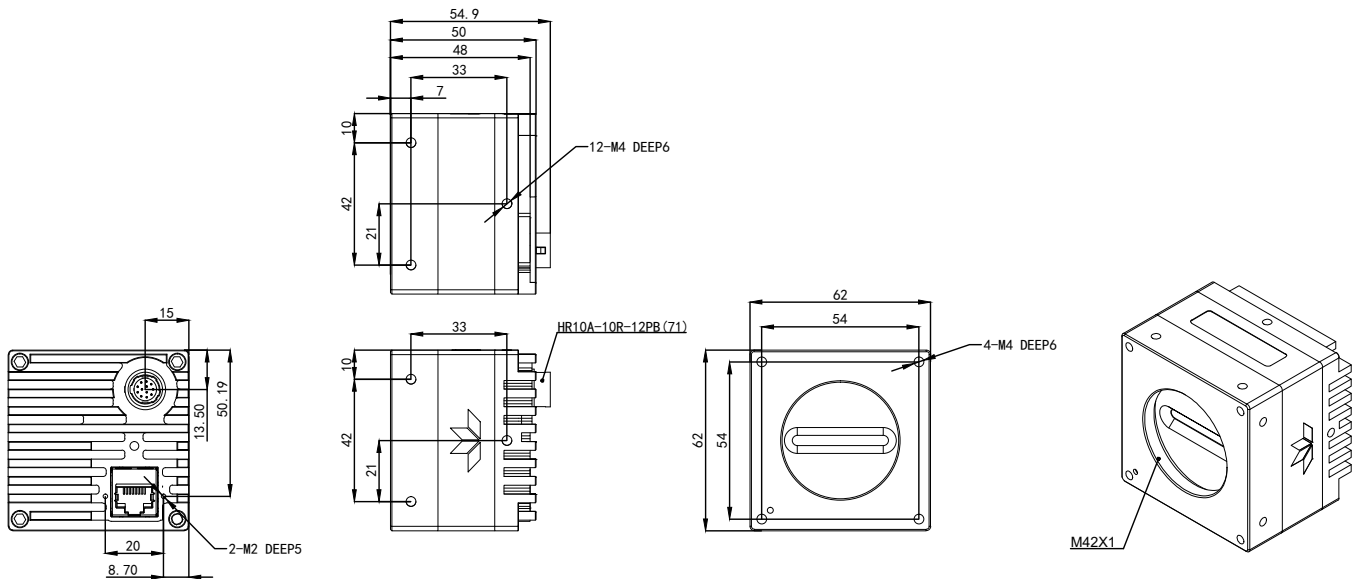
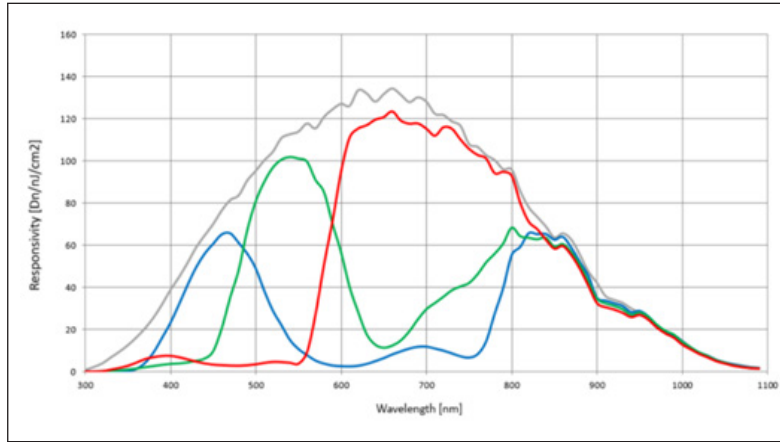
## Tetra 2.5 GigE color cameras

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 GigE Vision® interface for many cost sensitive applications

## SPECIFICATIONS

Part Number	TL-GC-02k05T	TL-GC-04k02T
Resolution, pixel	2,048 x 3	4,096 x 3
Line Rate, kHz	50 x3	25 x3
Pixel Size, µm	14 x 14	7 x7
Data Format (bit)	8	
Dynamic Range, dB	70	
Full Well, ke-	30	
Read Noise, e-	9	
Power Dissipation, W	<6	
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	2.5GigE Vision, , RJ45	
Power and GPIO	+12 to +24VDC or PoE, Hirose-12	

**SPECIFICATIONS**



**FOR MORE INFORMATION CONTACT:**

AMERICAS Boston, USA | +1 978-670-2000 | [TDI\\_sales.americas@teledynedalsa.com](mailto:TDI_sales.americas@teledynedalsa.com)  
 EUROPE Krailling, Germany | +49 89-89-54-57-3-80 | [TDI\\_sales.europe@teledynedalsa.com](mailto:TDI_sales.europe@teledynedalsa.com)  
 ASIA PACIFIC Tokyo, Japan | +81 3-5960-6353 | [TDI\\_sales.asia@teledynedalsa.com](mailto:TDI_sales.asia@teledynedalsa.com)  
 Shanghai, China | +86 21-3368-0027 | [TDI\\_sales.asia@teledynedalsa.com](mailto:TDI_sales.asia@teledynedalsa.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.

Doc Number: 03-070-25023-00  
 Revision Date: 2025 03 17