

TIGER INTELLIGENT CAMERA SERIES

T4840 CCD 16 MP Camera Link®



Imperx: T4840

The Tiger T4840 CCD camera is an advanced, ruggedized, and economical digital camera providing 4864 x 3232 resolution and frame rates up to 7.9 frames per second. The camera features programmable image resolution, frame rates, gain, offset, external triggering, strobe output, transfer function correction, temperature monitoring, and user programmable and uploadable LUT. The camera is fully field upgradable. Optional active forced air cooling available.

Specifications

Pulse Generator

Yes, programmable

el correction, 12-bit LUTs, 2 FFC, black
rtical smear
/ 1.4
(Default), M42, EOS Canon
(6V - 30V), 1.5 A inrush
(q)
x 69.5mm x 51.5mm
0-200Hz) XYZ/ 1000G
-200Hz) XYZ / 200G
+85°C Operating, -50°C to +90°C
+60°C Operating, -50°C to +90°C
90% non-condensing
rt 15 Class A, CE, RoHS



Imperx: T4840 Applications

The T4840 incorporates a number of unique features tailored to reduce system complexity, maximize interface bandwidth, and expand the usable operational range.

Color (Bayer RGB) with Microlens

0.6

0.5

0.30

0.20

0.00

BACK

350 400 450

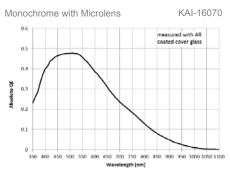
Aerospace • Satellites • Surveillance • Military and Non-Military Ground Vehicles • Ball Grid Array • Printed Circuit Board Inspection • Motion Analysis • Broadcast Television • Telepresence • Unmanned Aerial Vehicles • Machine Vision • Reconnaissance • Intelligent Traffic Systems • Aerial Imaging • Open Road Tolling Systems • Situational Awareness • Scientific • Particle Velocity

measured with AR coated cover glass

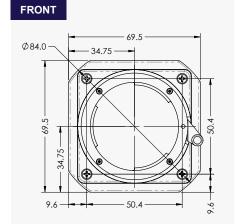
00 950 1000 1050 1100

850

Absolute Quantum Efficiency

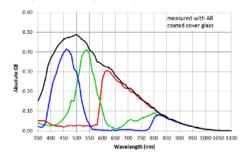


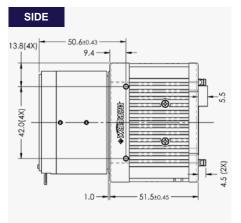
Dimensions



500 550 600 650 700 750 800

KAI-16070 Color (TRUESENSE Sparse CFA) with Microlens KAI-16070





Camera Link GUI

Interface Available	Lens Mounts		CamConfig Tiger 🗾
Camera Link Medium (CLM) CoaXPress (CXP)	F-Mount (default) M42	EF Canon	Menu View Help _ Camera Info Size 4864x3232 PxL
	Ordering		FPS 8 fps
Sensor Types available	Ruggedized	Industrial	EXP 270.994 ms
Monochrome	Accessories (Sold se	eparately)	TMP 36.6 °C
Bayer Color Sparse CFA	PS12v04A-Power Sup	oply w/ 1 input and 1 output	Gain & Offset
Hirose Connectors			Acquisition Acquisition Acquisition
Power and I/O Interface			Image Color
1. 12V DC Return 2. +12V DC 3. Reserved 4. Reserved 5. OUT2 OPTO - 6. OUT1 TTL Gnd	 OUT1 TTL Signal IN1 OPTO + IN2 TTL Signal IN1 OPTO - IN1 OPTO - IN2 TTL Gnd OUT2 OPTO + 		Connecting Technology & Innovation
Connectory Linear LID 10A 10D 12DD(71)			

Link

Toll Free: 888-509-8455, Email: clientservice@integrys.com www.integrys.com

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Ordering Information

Connector: Hirose HR 10A-10R-12PB(71) * Not Connected for CXP

Quality Management System ISO 9001:2015 Registered

Environmental Management System ISO 14001:2015 Registered DDTC Registered (Directorate of Defense Trade Controls, US Department of State)