

## High Resolution non-intensified camera

**Single image capture**

**Up to 11 MegaPixel  
12-bit images**

**Compact and rugged  
construction**



The Specialised Imaging T-Cam Camera offers single high resolution images for ambient or low light capture.

Comprehensive triggering adjustment and a wide range of output signals are controlled using the custom software package which includes measurement and image enhancement functions.

### FEATURES

- Fully adjustable exposure from 1 $\mu$ s to 10ms
- Adjustable output triggers
- Nikon lens mount fitting
- Gigabit ethernet communications

### OPTICAL

Lenses	Nikon F-mount
System Aperture	Limited by lens
Distortion	Nominally zero

### INTENSIFIER / SENSOR

	<b>T-Cam 43100</b>	<b>T-Cam 22100</b>
Image Sensor	KAI11002M (Non intensified)	KAI4021M (Non intensified)
Active CCD Pixel	4008 (H) x 2688 (V)	2048 (H) x 2048 (V)
Pixel Size	9µm (H) x 9µm (V)	7.4 µm (H) x 7.4 µm (V)
Dynamic Range	12 bits	12 bits

### MECHANICAL

Dimension mm (w/d/h)	17.8cm x 18.5cm x 19.7cm (7.0" x 7.3" x 7.8") without lenses
Mount	1/4-20 UNC Female (standard tripod)
Weight	6Kg (13.2lbs) without lens.

### INPUT / OUTPUT SIGNALS

Trigger 1	Electrical signal (BNC connector) Threshold variable from ± 25V Positive or Negative polarity, Make/Break 50Ω or 1KΩ termination
Trigger 2	Electrical signal (BNC connector) Threshold variable from ± 25V Positive or Negative polarity, Make/Break 50Ω or 1KΩ termination
Flash Trigger Output	Pulse width (min. 10ns) and position user programmable. TTL into 50Ω
Camera Control	Data and command transfer via Gigabit Ethernet. Cable length 10m (standard), other lengths up to 100m available 1000FX fibre optic Ethernet link (up to 2Km) - optional
Software	Custom software compatible with Microsoft Windows Operating Systems for camera control, image data archiving in various file formats.
Power Requirements	100-240V AC 2A, 50-60Hz

### ENVIRONMENTAL

Storage temperature	-10°C to +50°C
Operating temperature	-5°C to +40°C
Humidity	10—90% RH non condensing
Vibration shock	10—40 Hz Max. 10g in any direction
EMC	Meets all UKCA/EU harmonised standards

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