

High Resolution intensified camera



Single image capture

Up to 1.3 MegaPixel

The Specialised Imaging T-Cami offers high resolution single or double image intensified monochrome images.

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

12-bit images

Compact and rugged construction

FEATURES

- Fully adjustable exposure from 5ns 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

SENSOR

Image Sensor	ICX285AL
Active CCD Pixel	1360 (H) x 1024 (V)
Pixel Size	6.45 μm (H) x 6.45 μm (V)
Dynamic Range	12 bits
Intensifier diameter	18mm MCP
Photocathode	S25
Phosphor / decay	P46/300ns
Gain	Variable up to 10,000

MECHANICAL

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

INPUT / OUTPUT SIGNALS

Trigger 1 (BNC)	Electrical signal Threshold variable from $\pm 25\text{V}$ Positive or Negative polarity, Make/Break 50 Ω or 1K Ω termination
Trigger 2 (BNC)	Electrical signal Threshold variable from $\pm 25\text{V}$ Positive or Negative polarity, Make/Break 50 Ω or 1K Ω termination
Flash Trigger Output (BNC)	Pulse width (min. 10ns) and position user programmable. TTL into 50 Ω
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.
Electrical input	Mains 100-240V AC 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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