

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *JAI / Pulnix TM-745E* at our website: *Click HERE*

TM-745E / TM-765E

Monochrome Interlaced Scan CCD



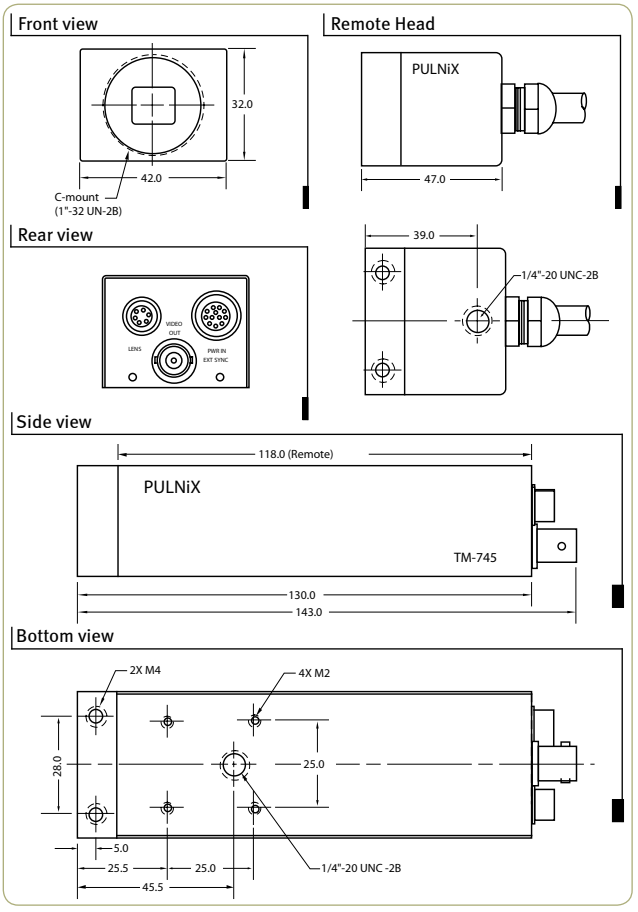
- *2/3" high resolution HAD type interline transfer CCD*
- *768 (H) x 493 (V) resolution (EIA)*
- *756 (H) x 581 (V) resolution (CCIR)*
- *Built-in Edge Enhancement*
- *Low light sensitivity (0.5 lux)*
- *Smearless shutter 1/60 to 1/10,000 sec.*
- *Full frame integration and asynchronous reset*
- *External sync, interlace, non-interlace auto select*
- *Excellent S/N ratio (>50 dB)*

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

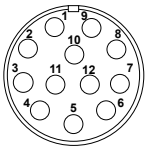
Specifications for TM-745E/TM-765E

Specifications	TM-745E	TM-765E
Sensor	2/3" interlaced scan IT CCD, HAD type	
	ICX422AL	ICX423AL
Active pixels	768 (H) x 493 (V)	756 (H) x 581 (V)
Cell size	11 µm x 13 µm	11 µm x 11 µm
Scanning	525 lines 60 Hz 2:1 interlaced	625 lines 50 Hz 2:1 interlaced
Synchronization	Internal sync/external auto switch HD/VD: 4.0 Vp-p, 4.7k Ω VD = interlaced/non-interlaced	
	HD = 15.734KHz ±5%	HD = 15.625KHz ±5%
TV resolution	570 x 350 TV lines	560 x 420 TV lines
S/N ratio	>50 dB	
Sensitivity	0.3 lux f=1.4 without IR cut filter	
Video output	1.0 Vp-p composite video, 75 Ω	
AGC	ON/OFF (default)	
Gamma	0.45 /1.0 (default)	
Lens mount	C-mount standard	
Power	12V DC, 350 mA	
Operating temperature	-10° C to 50° C	
Vibration	7 Grms (10 Hz to 2000 Hz) Random	
Shock	70 G, 11 ms, half-sine	
Dimensions (H x W x L)	32 mm x 42 mm x 130 mm	
Weight	200 g	

Dimensions

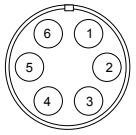


Connector Pin-outs



12-Pin Connector

1	GND	7	VD in
2	+12V	8	GND
3	GND	9	HD in
4	Video	10	N/C
5	GND	11	Int. cont.
6	Vinit	12	GND

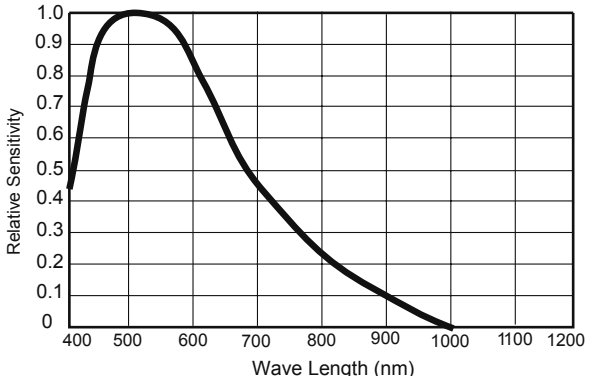


6-Pin Connector

1	D2
2	GND
3	Video
4	+12V (or 5V)
5	Do
6	D1

Do, D1, D2 Shutter control

Spectral Response



Edge Enhancement

The TM-745E/TM-765E cameras feature built-in edge enhancement to increase the perceived sharpness or visual separation of objects within the video image. This is particularly useful when identifying specific shapes or making precise measurements from the boundaries of objects.

Ordering Information

Camera	
Lead Processing	TM-745E (EIA), TM-765E (CCIR)
RoHS Compliant	RM-745E (EIA), RM-765E (CCIR)
Optional Functions	
AGC Enable	OP1-2
Internal IR Filter Added	OP3-1
Optical Filter Removal	OP3-2
Gamma Adjust to 0.45	OP4-2
Pixel Clock Output	OP7-2
Remote Head w/1-meter cable	OP10-1
Sony Pinout	OP25
Field Mode Set	OP61
DC-Coupled Analog Output	OP72
Optional Accessories (MUST BE ORDERED SEPARATELY)	
Power Cable	12P-02S
Power Supply	PD-12U series
Auto Iris Connector	PC-6P

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We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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