



## ❖ TMC-775 / TMC-773

Color Interlaced Scan CCD



- *Color interlaced cameras*
- *1/2", or 1/3" high resolution interline transfer CCD*
- *756 x 494 resolution @ 30 fps (NTSC)*
- *Micro, rugged construction*
- *Shutter from 1/60 to 1/100,000 sec.*
- *RS-232 adjustable manual gain, selectable ALC modes (optional), shutter, gamma and AWB selct*
- *External sync in*
- *Mount positionable on all four sides*
- *Single 15 D-sub connector for video, RS-232 and power*
- *Mirror Image-horizontal, enable/disable capability*
- *3-axis control for lens control or pan/tilt*

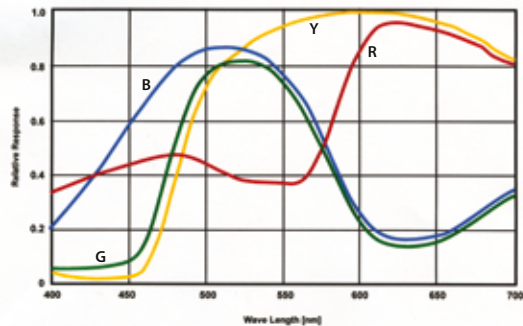


# Specifications for TMC-775/TMC-773

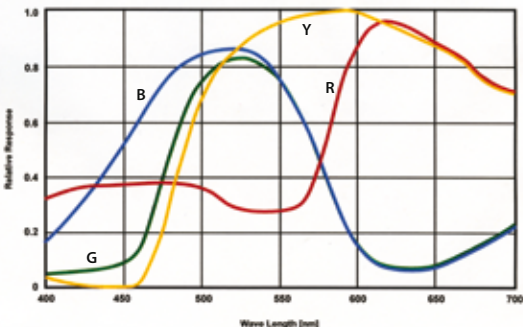
Specifications	NTSC	
	TMC-775	TMC-773
Sensor	1/2" CCD interlace ICX428AKL	1/3" CCD interlace ICX258AKL
Active pixels	756 (H) x 494 (V)	
Active area	6.35 x 4.84 mm	4.8 x 3.66 mm
Cell size	8.4 μm x 9.8 μm	6.35 μm x 7.4 μm
Scanning	525 lines / 60 Hz	
Synchronization	Internal/external auto switch HD/VD 4.0 Vp-p impedance 10K Ω VD = interlace/non-interlace HD = 15.73 kHz ± 50ppm	
TV resolution	570 (H) x 350 (V)	
S/N ratio	>50 dB min. (AGC Off)	
Sensitivity	0.25 lux (f=1.4)	0.45 lux (f=1.4)
Video output	1.0 Vp-p composite video, 75 Ω	
Gamma	0.45 / 1.0 (RS-232 controlled) 1.0 Factory Default	
Lens mount	C-mount (adjustable)	
Power requirement	12V DC, 175 mA typical at 25° C	
Operating temperature	-10° C to +50° C	
Storage temperature	-50° C to +70° C	
Vibration	7 Grms (20 Hz to 2000 Hz) Random	
Shock	70 G, 11 ms, half-sine	
Dimensions (H x W x L)	32 x 42 x 48.48 mm with mechanical enclosure 29.3 x 39.4 x 35.66 mm without mechanical enclosure	
Weight	113 g with mechanical enclosure 69 g without mechanical enclosure	

## Spectral Response

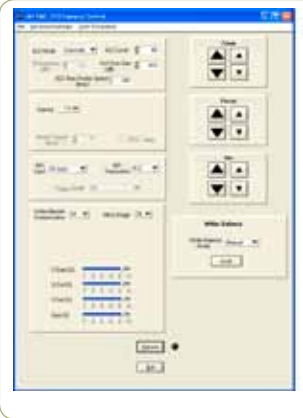
TMC-775



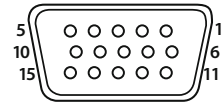
TMC-773



## GUI Interface



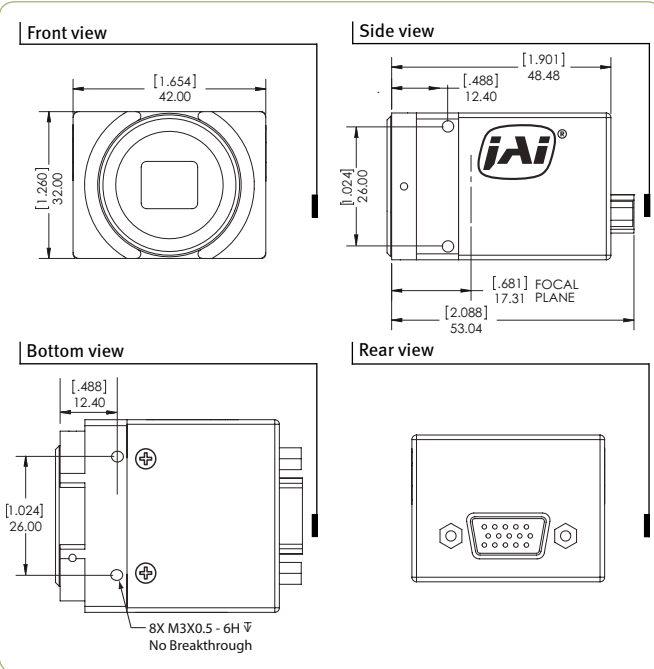
## Connector Pin-out



15-Pin Connector

1 +12 In	9 RX In
2 Video	10 GND
3 +12_IRIS	11 Auto Iris
4 Lens Cont1	12 Integrate
5 Lens Cont2	13 Ext HD
6 +12_Rtn	14 EXT VD/ Multi-function
7 GND	15 TX Out
8 Lens Cont3	

## Dimensions



## Ordering Information

Camera	
Lead Processing - Non- RoHS	TMC-775, TMC-773
Optional Functions	
ALC selectable modes - Enable/Disable	OP1-5
Blemish Compensation	OP2-5
Optical filter removal	OP3-2
Extended Temperature (-40° C to +65° C)	OP22-5-1
Conformal Coat	OP22-5-5
Optional Accessories (must be ordered separately)	
Tripod Kit	TP-50
Cable	15P-02-9P
Cable with leads	15P-02-9P-FULL
Power Supply	PD-12UU series

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