

STC-CLC202A/STC-CL202A

The STC-CL202A is a full featured, cost effective UXGA progressive scan digital Camera Link® cube camera with 1/2" CCD with RGB Primary Color Filter. Featuring a full frame 15fps UXGA output, partial scanning, triggering, and reset capabilities.



Features

- 1/2" Color or Monochrome CCD
- UXGA
- Digital Camera Link® Output
- 15fps
- Compact Size 28 x 28 x 46.3mm
- Pulse with trigger; Edge preset trigger; Sync-reset; Restart-reset

Electrical Specifications

Model	STC-CL202A	STC-CLC202A
Imager	1/1.8" interline UXGA monochrome progressive CCD: ICX274AL	1/1.8" interline UXGA color (Bayer) progressive CCD: ICX274AQ
Total Element	1688(H) x 1248(V)	
Effective Picture Element	1628(H) x 1236(V)	
Active Picture Element	UXGA: 1620 (H) x 1236 (V)	
Cell Size	4.4 (H) x 4.4 (V) μm	
Scanning System	Progressive scanning	
Scanning Method	Full, 1/2 partial, 1/4 partial, variable partial scanning and binning	
Vertical Freq. (Frame rate)	15.3164 Hz	
Horizontal Freq.	19.176 kHz	
Pixel Frequency	36.8181 MHz	
Resolution	1200 TV lines (Raw Data)	
S/N ratio	<= 10 Digit (Gain 0dB)	
Minimum Scene Illumination	2lx at F1.4	
Sync. System	Internal	
Video Output	10bit Raw data	
Shutter Speed	OFF, 1/2 to 1/100,000 sec. (Variable, can be set at H and CLK)	
Gain	0 to 27dB	
Gamma	Fixed at 1	
Communication	RS232 via Camera Link connector	
Power Supply	Input voltage: DC12V +/- 10%; Consumption: Less than 1.8W	
Trigger Mode	Pulse width trigger (V-Reset, Non-Reset) Edge preset trigger (V-Reset, Non-Reset) Sync-Reset, Restart-Reset	

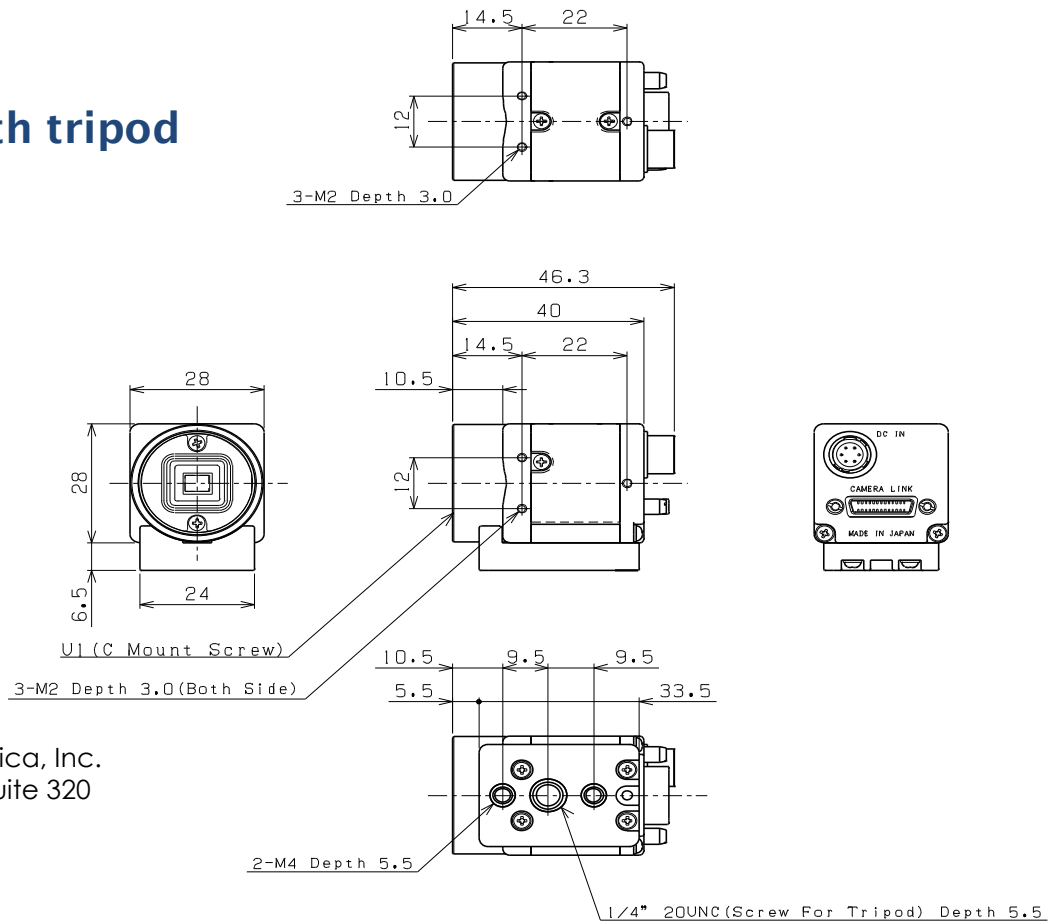
Mechanical Specifications

Model	STC-CL202A	STC-CLC202A
Optical filter	No IR cut filter	
Dimensions	28 (W) x 28 (H) x 46.3 (D) mm *Mount to end of the connector	
Optical Center Accuracy	Position accuracy of H and V direction: +/- 0.31 mm Rotation accuracy of H and V: +/- 0.21 deg.	
Lens mount	C mount	
Interface connector	HR10A-7R-6PB (Hirose) equivalent	
Tripod	Set the bottom side of the camera with 4 screws	
Weight	Approximately 52g (Camera: 43g, tripod: 9g)	

Environmental Conditions

Model	STC-CL202A	STC-CLC202A
Ambient Condition	Performance Temperature: 0 to 40 deg. C, RH: 0 to 85% (No condensation) Operational Temperature: -5 to 50 deg. C, RH: 0 to 85% (No condensation) Storage Temperature: -30 to 65 deg. C, RH: 0 to 90% (No condensation)	
Vibration	20Hz to 200Hz to 20Hz (5min./cycle), acceleration 10G 3 direction 30 min. each	
Shock	Acceleration 70G, half amplitude 6ms, 3 direction 3 times each	
MTBF	78,000h	
Adaptation Standard	EMS: EN61000-6-2, EMI: EN55011 (Class B)	
RoHS	RoHS compliance	

Dimensions with tripod



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