

# STC-CL33A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)




### Camera Link CCD, VGA, Mono, Cased


The STC-CL33A is a full featured, cost effective, VGA, progressive scan digital Camera Link ® cube camera with a 1/3" monochrome CCD. It features full frame, 90fps, VGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/3" CCD Image Sensor

 VGA, Progressive Scan, 90fps

 Compact Housing with Precise Optical Design

## Specifications


### Imaging

<b>Image Sensor</b>	1/2" interline VGA Monochrome Progressive CCD: ICX414AL
<b>Total Picture Element</b>	692 (H) x 504 (V)
<b>Active Picture Element</b>	648 (H) x 494 (V)
<b>Chip Size</b>	5.79 (H) x 4.89 (V) mm
<b>Cell Size</b>	7.4 (H) x 7.4 (V) $\mu$ m

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial, Binning (Partial, 1/2 partial, 1/4 partial, Variable partial)
<b>Vertical Frequency (Frame Rate)</b>	31.47 (30 fps) / 62.94 (60 fps) / 94.784 (90 fps) Hz
<b>Horizontal Frequency</b>	15.7343 (30 fps) / 31.4685 (60 fps) / 47.2028 (90 fps) ...



<b>Shutter Speed</b>	OFF, 1/3 ~ 1/40,000 seconds (Variable at every H and clock) (30 fps) OFF, 1/7 ~ 1/80,000 seconds (Variable at every H and clock) (60 fps) OFF, 1/11 ~ 1/120,000 seconds (Variable at every H and clock) (90 fps)	
<b>Gain</b>	0 ~ 27 dB	
<b>Gamma</b>	1.0	
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)	
<b>Communication</b>	RS232 via CameraLink® connector	

## Mechanical

<b>Dimensions</b>	28 (W) x 28 (H) x 29.5 (D) mm (not including lens mount or the connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	Front, base and rear: Aluminum Die Cast (ADC12); Cover: Steel Sheet covered with Zinc
<b>Lens Mount</b>	C Mount
<b>Power I/O Connector</b>	N/A
<b>Vibration</b>	10G (20 ~ 200 Hz)
<b>Shock</b>	70G (3 directions, 3 times each)

## Environmental

<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 1.8 W, 150 mA
<b>Temperature and Humidity</b>	-
- <b>Operating</b>	-5 ~ 50°C (23°F ~ 122°F)
- <b>Storage Temperature</b>	-30 ~ 65°C (-22°F ~ 140°F)
<b>Weight</b>	43g (1.51 oz.)
<b>RoHS</b>	RoHS Compliant

# STC-CLC33A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

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### Camera Link CCD, VGA, Color, Cased

The STC-CLC33A is a full featured, cost effective, VGA, progressive scan, digital Camera Link ® cube camera with a 1/3" color CCD. It features full frame, 90fps, VGA output, partial scanning, triggering, and reset capabilities.



Documents

Software and Drivers

1/3" CCD Image Sensor

VGA, Progressive Scan, 90fps

Compact Housing with Precise Optical Design

## Specifications

### Imaging

<b>Image Sensor</b>	1/2" interline VGA Color Progressive CCD: ICX424AQ
<b>Total Picture Element</b>	692 (H) x 504 (V)
<b>Active Picture Element</b>	648 (H) x 494 (V)
<b>Chip Size</b>	5.79 (H) x 4.89 (V) mm
<b>Cell Size</b>	7.4 (H) x 7.4 (V) $\mu$ m

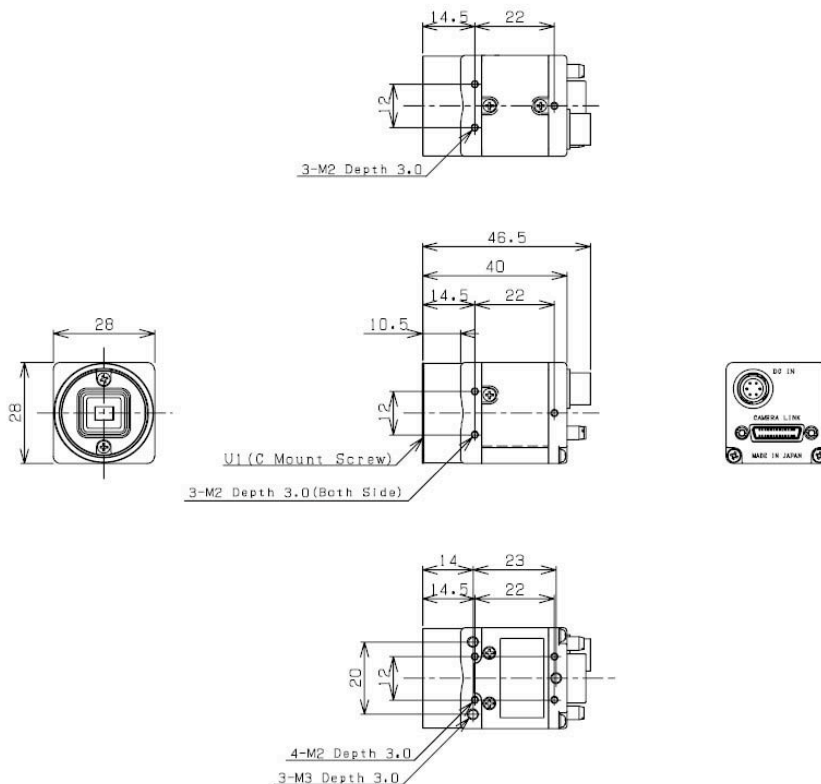
### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial, Binning (Partial, 1/2 partial, 1/4 partial, Variable partial)
<b>Vertical Frequency (Frame Rate)</b>	31.47 (30 fps) / 62.94 (60 fps) / 94.784 (90 fps) Hz

<b>Shutter Speed</b>	OFF, 1/3 ~ 1/40,000 seconds (Variable at every H and clock) (30 fps) OFF, 1/7 ~ 1/80,000 seconds (Variable at every H and clock) (60 fps) OFF, 1/11 ~ 1/120,000 seconds (Variable at every H and clock) (90 fps)	
<b>Gain</b>	0 ~ 27 dB	
<b>Gamma</b>	1.0	
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)	F0 &E
<b>Communication</b>	RS232 via CameraLink® connector	

## Mechanical

<b>Dimensions</b>	28 (W) x 28 (H) x 29.5 (D) mm (not including lens mount or the connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	Front, base and rear: Aluminum Die Cast (ADC12); Cover: Steel Sheet covered with Zinc



# STC-CL338A

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## Camera Link


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VGA (240fps)

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### Camera Link Truesense, VGA, Mono, Cased

The STC-CL338A is a full featured, cost effective, VGA, progressive scan digital Camera Link ® cube camera with a 1/3" monochrome CCD. It features full frame, 240fps, VGA output, partial scanning, triggering, and reset capabilities.


 Documents

 Software and Drivers



 1/3" CCD Truesense Sensor

 VGA, Progressive Scan, 240fps

 Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

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<b>Imager</b>	1/3" Interline VGA Monochrome Progressive CCD: KAI-0340S (Truesense)
<b>Active Picture Element</b>	VGA: 644 (H) x 484 (V)
<b>Chip Size</b>	5.87 (H) x 4.71 (V) mm
<b>Cell Size</b>	7.4 (H) x 7.4 (V) mm

### Function

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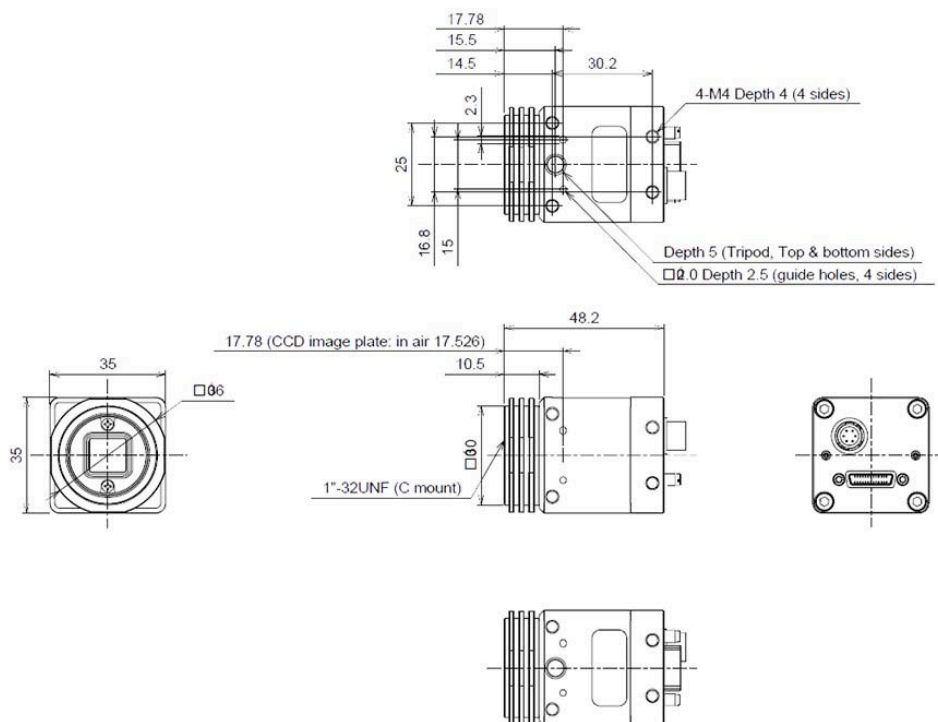
<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	240.9 Hz
<b>Horizontal Frequency</b>	119.1 kHz
<b>Pixel Frequency</b>	48 MHz

<b>Gamma</b>	1.0
<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 3.6 W
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector

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## Mechanical

**Dimensions** 35 (W) x 35 (H) x 48.2 (D) mm (not including the connector)



# STC-CLC338A

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## Camera Link

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VGA (240fps)




### Camera Link Truesense, VGA, Color, Cased

The STC-CLC338A is a full featured, cost effective, VGA, progressive scan, digital Camera Link ® cube camera with a 1/3" color CCD. It features full frame, 240fps, VGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/3" CCD Truesense Sensor

 VGA, Progressive Scan, 240fps

 Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

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<b>Imager</b>	1/3" Interline VGA Color Progressive CCD: KAI-0340DCM (Truesense)
<b>Active Picture Element</b>	VGA: 644 (H) x 484 (V)
<b>Chip Size</b>	5.87 (H) x 4.71 (V) mm
<b>Cell Size</b>	7.4 (H) x 7.4 (V) mm

### Function

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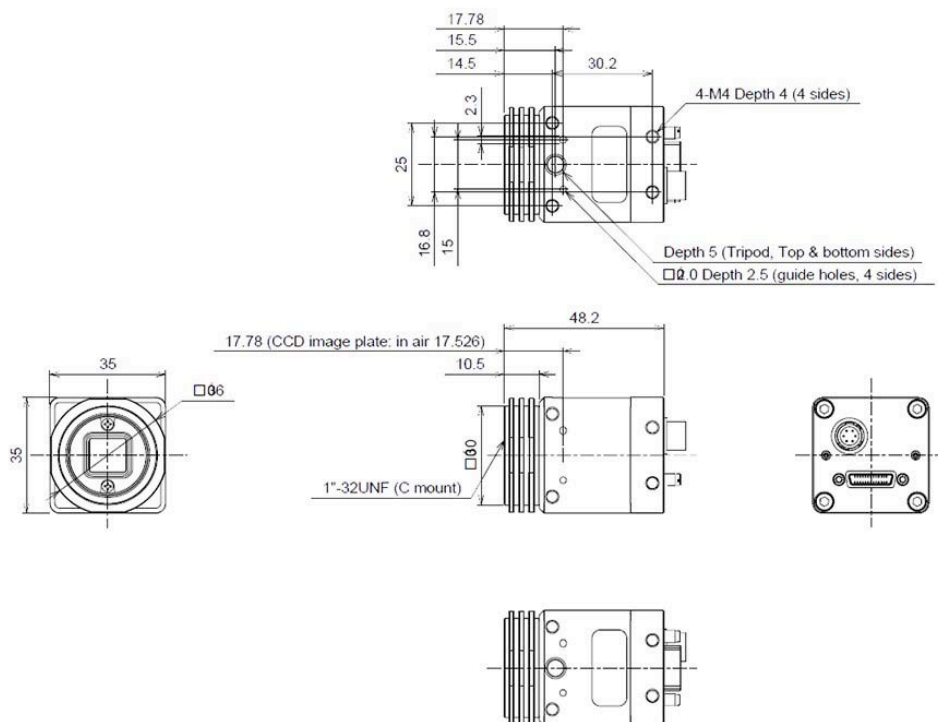
<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	240.9 Hz
<b>Horizontal Frequency</b>	119.1 kHz
<b>Pixel Frequency</b>	48 MHz

<b>Gamma</b>	1.0
<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 3.6 W
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector

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## Mechanical

**Dimensions** 35 (W) x 35 (H) x 48.2 (D) mm (not including the connector)





# STC-CL83A

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## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

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&E

### Camera Link, CCD, XGA, Mono, Cased


The STC-CL83A is a full featured, cost effective, XGA, progressive scan, digital Camera Link ® cube camera with a 1/3" monochrome CCD. It features full frame, 30fps, XGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/3" CCD Image Sensor

 XGA, Progressive Scan, 30fps

 Compact Housing with Precise Optical Design

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## Specifications

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### Imaging


<b>Image Sensor</b>	1/3" Interline XGA Monochrome Progressive CCD: ICX204AL (Sony)
<b>Total Picture Element</b>	1077 (H) x 788 (V)
<b>Active Picture Element</b>	1024 (H) x 768 (V)
<b>Chip Size</b>	5.8 (H) x 4.92 (V) mm
<b>Cell Size</b>	4.65 (H) x 4.65 (V) $\mu$ m

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	29.59 Hz
<b>Horizontal Frequency</b>	23.23 kHz
<b>Pixel Frequency</b>	29.5 MHz

<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector

## Mechanical

<b>Dimensions</b>	28 (W) x 28 (H) x 29.5 (D) mm (not including lens mount or the connector)	
<b>Optical Filter</b>	No IR cut filter	
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.	
<b>Material</b>	-	
- <b>Case</b>	Front, base and rear: Aluminum Die Cast (ADC12); Cover: Steel Sheet covered with Zinc	
- <b>Tripod</b>	Polycarbonate ABS	
<b>Lens Mount</b>	C Mount	
<b>Interface Connector</b>	HR 10A-7R-6PB (Hirose) or equivalent	
<b>Tripod</b>	Tripod can be attached to 4 plates (4 screws on the bottom plate, 3 screws on the other 3 plates)	

## Environmental

<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 1.8 W, 150 mA
<b>Temperature and Humidity</b>	-
- <b>Operating</b>	-5 ~ 50°C (23°F ~ 122°F)
- <b>Storage Temperature</b>	-30 ~ 65°C (-22°F ~ 140°F)
<b>Weight</b>	43g (1.51 oz.)
<b>RoHS</b>	RoHS Compliant

# STC-CLC83A

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## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

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### Camera Link CCD, XGA, Color, Cased

The STC-CLC83A is a full featured, cost effective, XGA, progressive scan, digital Camera Link ® cube camera with a 1/3" color CCD. It features full frame, 30fps, XGA output, partial scanning, triggering, and reset capabilities.



Documents

Software and Drivers

1/3" CCD Image Sensor

XGA, Progressive Scan, 30fps

Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

<b>Image Sensor</b>	1/3" Interline XGA Color Progressive CCD: ICX204AK (Sony)
<b>Total Picture Element</b>	1077 (H) x 788 (V)
<b>Active Picture Element</b>	1024 (H) x 768 (V)
<b>Chip Size</b>	5.8 (H) x 4.92 (V) mm
<b>Cell Size</b>	4.65 (H) x 4.65 (V) $\mu$ m

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	29.59 Hz
<b>Horizontal Frequency</b>	23.23 kHz

**Trigger Mode**

Edge Preset Trigger (V-reset, Non-reset) Pulse Width  
Trigger (V-reset, Non-reset)

**Communication**

RS232 via CameraLink® connector

**E1  
36** Mechanical

**Dimensions**

28 (W) x 28 (H) x 29.5 (D) mm (not including lens  
mount or the connector)

**F0  
&5**

**Optical Filter**

No IR cut filter

**Optical Center Accuracy**

Positional Accuracy in H and V Directions: +/- 0.31  
mm, Rotational accuracy of H and V: +/- 2.1 deg.

**Material**

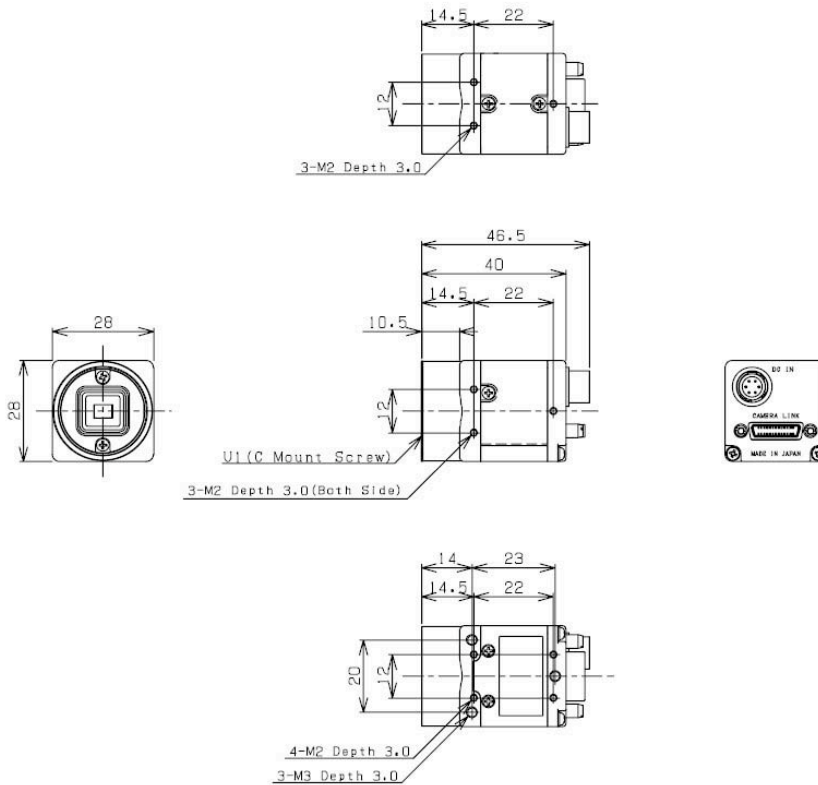
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**- Case**

Front, base and rear: Aluminum Die Cast (ADC12);  
Cover: Steel Sheet covered with Zinc

**Trimmed**

Polycarbonate APC



# STC-CL152A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)




### Camera Link CCD, SXGA, Mono, Cased

The STC-CL152A is a full featured, cost effective, SXGA, progressive scan, digital Camera Link ® cube camera with a 1/2" monochrome CCD. It features full frame, 19fps, SXGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/2" CCD Image Sensor

 SXGA, Progressive Scan, 19fps

 Compact Housing with Precise Optical Design

## Specifications

### Imaging

<b>Image Sensor</b>	1/2" interline SXGA Monochrome Progressive CCD: ICX205AL
<b>Total Picture Element</b>	1434 (H) x 1050 (V)
<b>Active Picture Element</b>	1360 (H) x 1040 (V)
<b>Chip Size</b>	7.6 (H) x 6.2 (V) mm
<b>Cell Size</b>	4.65 (H) x 4.65 (V) $\mu\text{m}$

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	15.28 (15 fps) / 19.3 (19 fps) Hz
<b>Horizontal Frequency</b>	15.998 (15 fps) / 20.57 (19 fps) kHz

**Trigger Mode**

Edge Preset Trigger (V-reset, Non-reset) Pulse Width  
Trigger (V-reset, Non-reset)

**Communication**

RS232 via CameraLink® connector

**E1  
36** Mechanical

**Dimensions**

28 (W) x 28 (H) x 29.5 (D) mm (not including lens  
mount or the connector)

**F0  
&5**

**Optical Filter**

No IR cut filter

**Optical Center Accuracy**

Positional Accuracy in H and V Directions: +/- 0.31  
mm, Rotational accuracy of H and V: +/- 2.1 deg.

**Material**

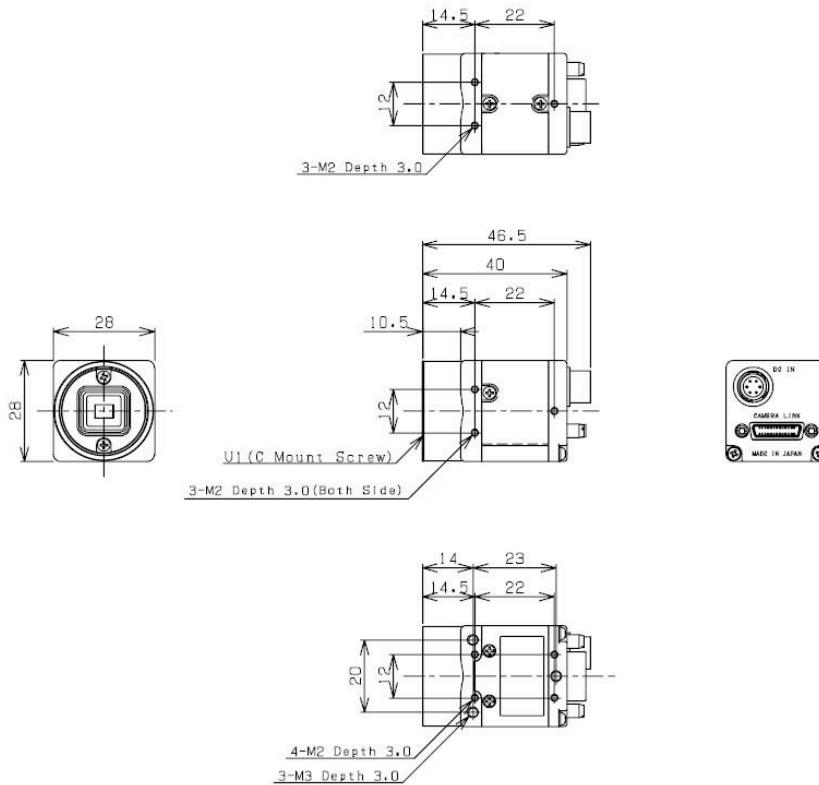
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**- Case**

Front, base and rear: Aluminum Die Cast (ADC12);  
Cover: Steel Sheet covered with Zinc

**Finish**

Polycarbonate APC



# STC-CLC152A

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## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

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### Camera Link CCD, SXGA, Color, Cased

The STC-CLC152A is a full featured, cost effective, SXGA, progressive scan, digital Camera Link ® cube camera with a 1/2" color CCD. It features full frame, 19fps, SXGA output, partial scanning, triggering, and reset capabilities.



Documents

Software and Drivers

1/2" CCD Image Sensor

SXGA, Progressive Scan, 19fps

Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

<b>Image Sensor</b>	1/2" Interline SXGA Color Progressive CCD: ICX205AK (Sony)
<b>Total Picture Element</b>	1434 (H) x 1050 (V)
<b>Active Picture Element</b>	1360 (H) x 1040 (V)
<b>Chip Size</b>	7.6 (H) x 6.2 (V) mm
<b>Cell Size</b>	4.65 (H) x 4.65 (V) $\mu$ m

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	15.28 (15 fps) / 19.3 (19 fps) Hz
<b>Horizontal Frequency</b>	15.998 (15 fps) / 20.57 (19 fps) kHz

**Trigger Mode**

Edge Preset Trigger (V-reset, Non-reset) Pulse Width  
Trigger (V-reset, Non-reset)

**Communication**

RS232 via CameraLink® connector

**E1  
36** Mechanical

**Dimensions**

28 (W) x 28 (H) x 29.5 (D) mm (not including lens  
mount or the connector)

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**Optical Filter**

No IR cut filter

**Optical Center Accuracy**

Positional Accuracy in H and V Directions: +/- 0.31  
mm, Rotational accuracy of H and V: +/- 2.1 deg.

**Material**

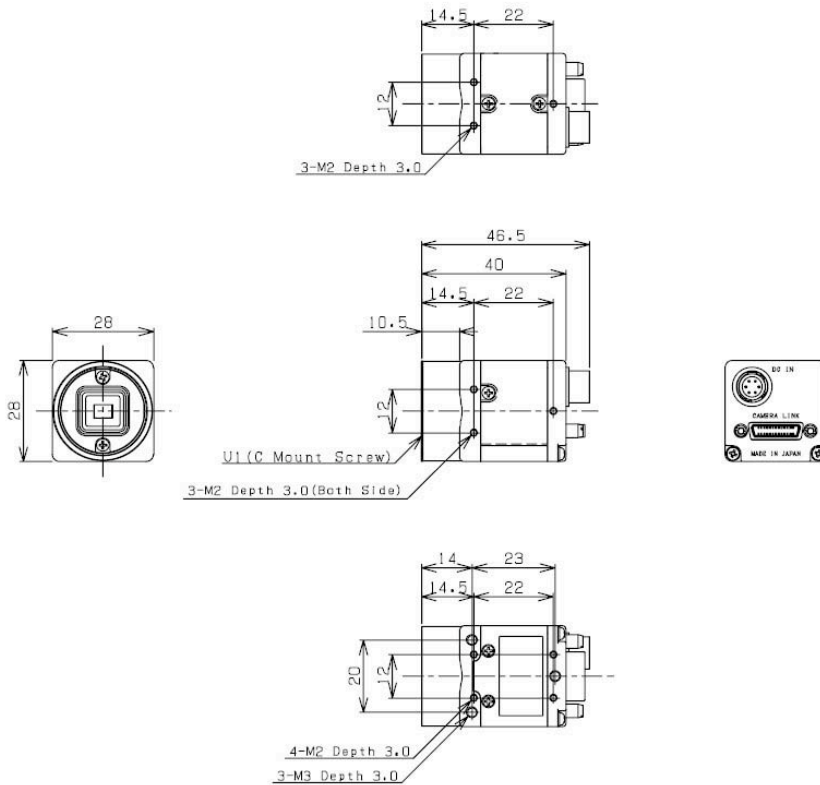
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**- Case**

Front, base and rear: Aluminum Die Cast (ADC12);  
Cover: Steel Sheet covered with Zinc

**Finish**

Polycarbonate APC





# STC-CL202A

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## Camera Link


0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)




### Camera Link CCD, UXGA, Mono, Cased

The STC-CL202A is a full featured, cost effective, UXGA, progressive scan, digital Camera Link ® cube camera with a 1/1.8" monochrome CCD. It features full frame, 15fps, UXGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/1.8" CCD Image Sensor

 UXGA, Progressive Scan, 16fps

 Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

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<b>Image Sensor</b>	1/1.8" Interline UXGA Monochrome Progressive CCD: ICX274AL (Sony)
<b>Total Picture Element</b>	1688 (H) x 1248 (V)
<b>Active Picture Element</b>	1620 (H) x 1220 (V)
<b>Chip Size</b>	8.5 (H) x 6.8 (V) $\mu\text{m}$
<b>Cell Size</b>	4.40 (H) x 4.40 (V) $\mu\text{m}$

### Function

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<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	15.3164 Hz
<b>Horizontal Frequency</b>	19.176 kHz

**Trigger Mode**

Edge Preset Trigger (V-reset, Non-reset) Pulse Width  
Trigger (V-reset, Non-reset)

**Communication**

RS232 via CameraLink® connector

**E1 36 Mechanical**

**Dimensions**

28 (W) x 28 (H) x 29.5 (D) mm (not including lens  
mount or the connector)

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&S

**Optical Filter**

No IR cut filter

**Optical Center Accuracy**

Positional Accuracy in H and V Directions: +/- 0.31  
mm, Rotational accuracy of H and V: +/- 2.1 deg.

**Material**

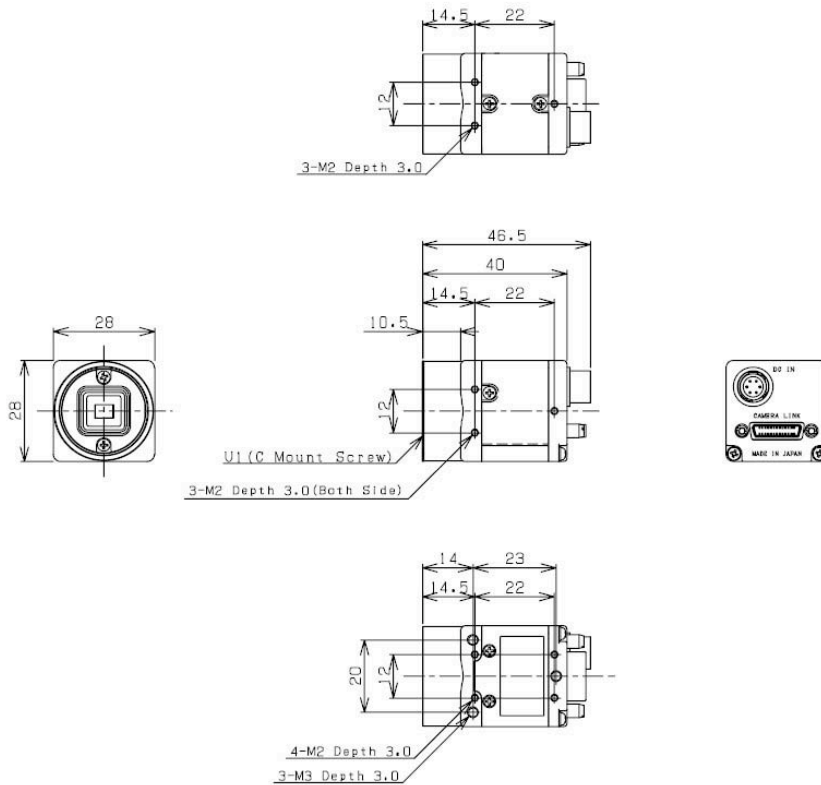
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**- Case**

Front, base and rear: Aluminum Die Cast (ADC12);  
Cover: Steel Sheet covered with Zinc

**Trimmed**

Polycarbonate APC



# STC-CLC202A

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## Camera Link


0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) **2 MP (UXGA)** 2 MP (UXGA) 5 MP (QSXGA)


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### Camera Link CCD, UXGA, Color, Cased

The STC-CLC202A is a full featured, cost effective, UXGA, progressive scan, digital Camera Link ® cube camera with a 1/1.8" CCD with RGB Primary Color Filter. It features full frame, 15fps, UXGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/1.8" CCD Image Sensor

 UXGA, Progressive Scan, 16fps

 Compact Housing with Precise Optical Design

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## Specifications

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### Imaging

<b>Image Sensor</b>	1/1.8" Interline UXGA Color Progressive CCD: ICX274AQ (Sony)
<b>Total Picture Element</b>	1688 (H) x 1248 (V)
<b>Active Picture Element</b>	1620 (H) x 1220 (V)
<b>Chip Size</b>	8.5 (H) x 6.8 (V) $\mu\text{m}$
<b>Cell Size</b>	4.40 (H) x 4.40 (V) $\mu\text{m}$

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	15.3164 Hz
<b>Horizontal Frequency</b>	19.176 kHz

**Trigger Mode**

Edge Preset Trigger (V-reset, Non-reset) Pulse Width  
Trigger (V-reset, Non-reset)

**Communication**

RS232 via CameraLink® connector

**E1 36 Mechanical**

**Dimensions**

28 (W) x 28 (H) x 29.5 (D) mm (not including lens  
mount or the connector)

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&S

**Optical Filter**

No IR cut filter

**Optical Center Accuracy**

Positional Accuracy in H and V Directions: +/- 0.31  
mm, Rotational accuracy of H and V: +/- 2.1 deg.

**Material**

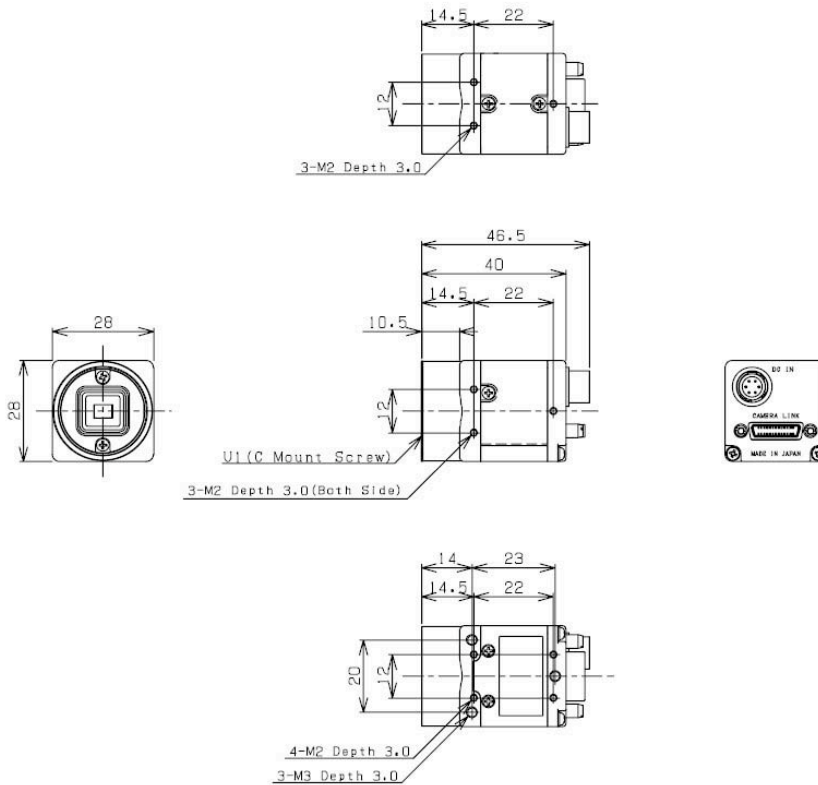
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**- Case**

Front, base and rear: Aluminum Die Cast (ADC12);  
Cover: Steel Sheet covered with Zinc

**Trimmed**

Polycarbonate APC



# STC-CL232A

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## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)




### Camera Link CCD, UXGA, Mono, Cased

The STC-CL232A is a full featured, cost effective, UXGA, progressive scan, digital Camera Link ® cube camera with a 1/1.8" monochrome CCD. It features full frame, 30fps, UXGA output, partial scanning, triggering, and reset capabilities.




 Documents

 Software and Drivers

 1/1.8" CCD Image Sensor

 UXGA, Progressive Scan, 30fps

 Compact Housing with Precise Optical Design

 \* Higher Frame Rate

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## Specifications

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### Imaging

<b>Image Sensor</b>	1/1.8" Interline UXGA Monochrome Progressive CCD: ICX274AL (Sony)
<b>Total Picture Element</b>	1688 (H) x 1246 (V)
<b>Active Picture Element</b>	1620 (H) x 1220 (V)
<b>Chip Size</b>	8.5 (H) x 6.8 (V) $\mu\text{m}$
<b>Cell Size</b>	4.40 (H) x 4.40 (V) $\mu\text{m}$

### Function

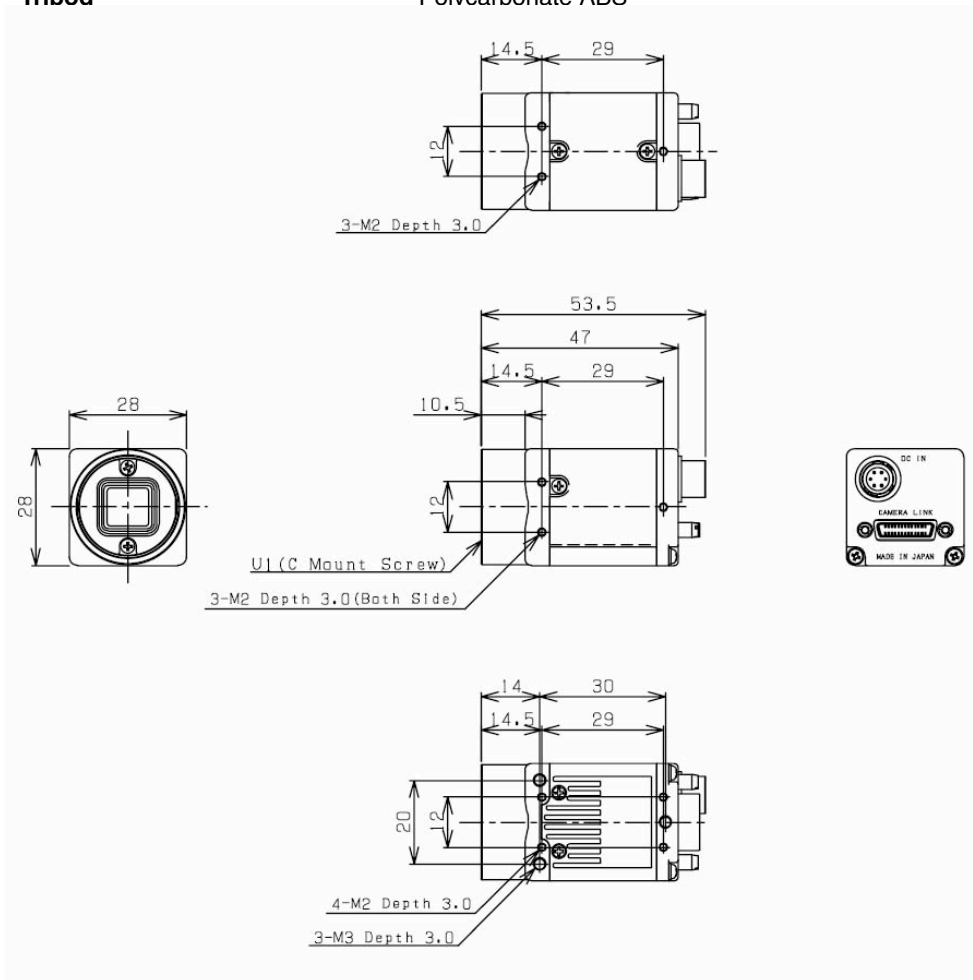
<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	30.854 Hz
<b>Horizontal Frequency</b>	38.352 kHz

<b>Gamma</b>	1.0
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector

## Mechanical



<b>Dimensions</b>	28 (W) x 28 (H) x 36.5 (D) mm (not including connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	-
<b>- Case</b>	Front, base and rear: Aluminum Die Cast (ADC12); Cover: Steel Sheet covered with Zinc
<b>- Tripod</b>	Polycarbonate ABS



# STC-CLC232A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

F0  
&S

### Camera Link CCD, UXGA, Color, Cased

The STC-CLC232A is a full featured, cost effective, UXGA, progressive scan, digital Camera Link ® cube camera with a 1/1.8" CCD with RGB Primary Color Filter. It features full frame, 30fps, UXGA output, partial scanning, triggering, and reset capabilities.



Documents

Software and Drivers

1/1.8" CCD Image Sensor

UXGA, Progressive Scan, 30fps

Compact Housing with Precise Optical Design

\* Higher Frame Rate

## Specifications

### Imaging

<b>Image Sensor</b>	1/1.8" Interline UXGA Color Progressive CCD: ICX274AQ (Sony)
<b>Total Picture Element</b>	1688 (H) x 1246 (V)
<b>Active Picture Element</b>	1620 (H) x 1220 (V)
<b>Chip Size</b>	4.40 (H) x 4.40 (V) $\mu\text{m}$
<b>Cell Size</b>	8.5 (H) x 6.8 (V) $\mu\text{m}$

### Function

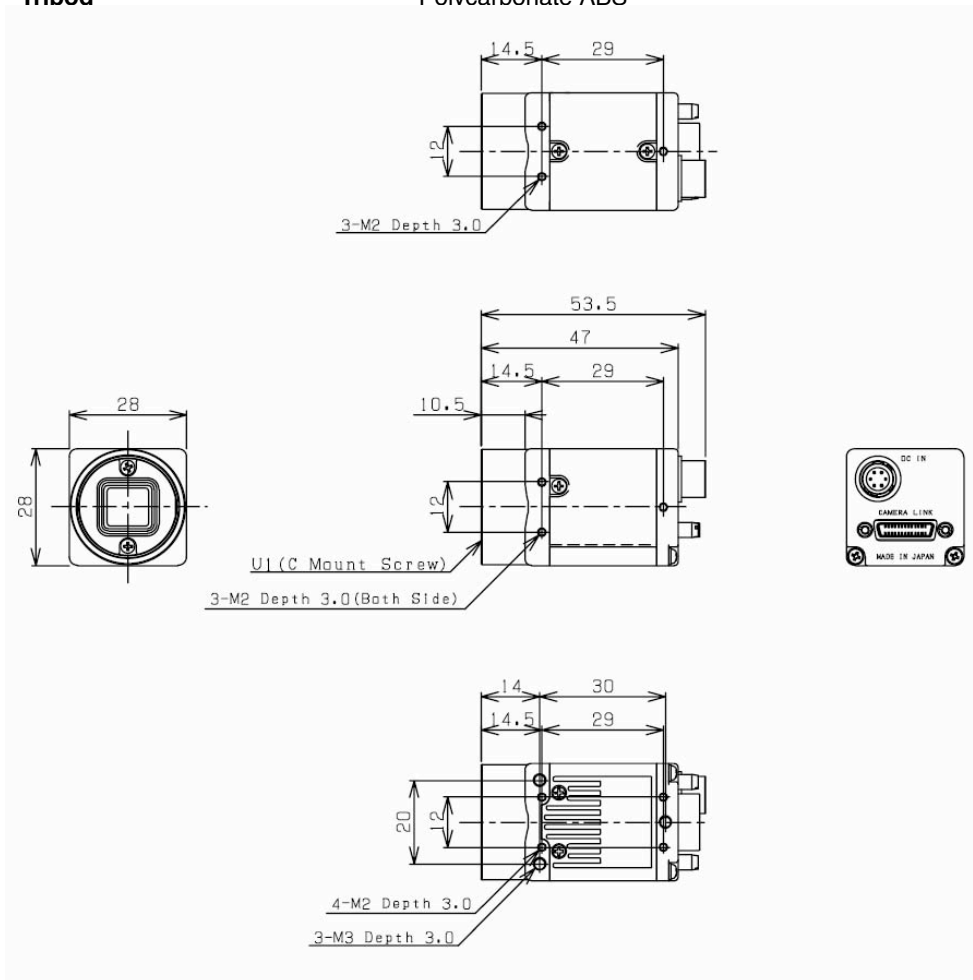
<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial
<b>Vertical Frequency (Frame Rate)</b>	30.854 Hz
<b>Horizontal Frequency</b>	38.352 kHz

<b>Gamma</b>	1.0
<b>Trigger Mode</b>	Pulse Width Trigger (V Reset, Non Reset); Edge Preset Trigger (V Reset, Non Reset)
<b>Communication</b>	RS232 via CameraLink® connector

## Mechanical



<b>Dimensions</b>	28 (W) x 28 (H) x 36.5 (D) mm (not including connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	-
<b>- Case</b>	Front, base and rear: Aluminum Die Cast (ADC12); Cover: Steel Sheet covered with Zinc
<b>- Tripod</b>	Polycarbonate ABS





# STC-CL500A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

F0  
&E

### Camera Link CDD, QSXGA, Mono, Cased

The STC-CL500A is a full featured, cost effective QSXGA digital Camera Link® cube camera. This camera delivers a full 5M Pixels resolution at 16 fps. It has a 2/3" monochrome CCD and also features partial scanning, triggering, and reset capabilities.



Documents

Software and Drivers

2/3" CCD Image Sensor

QSXGA, Progressive Scan, 16fps

Compact Housing with Precise Optical Design

## Specifications

### Imaging

<b>Image Sensor</b>	2/3" Interline 5.0 Megapixel Monochrome Progressive CCD: ICX625AL
<b>Total Picture Element</b>	2456 (H) x 2058 (V)
<b>Active Picture Element</b>	2448 (H) x 2058 (V)
<b>Chip Size</b>	9.93 (H) x 8.70 (V)
<b>Cell Size</b>	3.45 (H) x 3.45 (V) $\mu\text{m}$

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial, Binning (Partial, 1/2 partial, 1/4 partial, Variable partial)
<b>Vertical Frequency (Frame Rate)</b>	16 Hz

<b>Shutter Speed</b>	OFF, 1/8 ~ 1/209,000 seconds (Variable at every H and clock)
<b>Gain</b>	0 ~ 18.309 dB
<b>Gamma</b>	1.0
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector



## Mechanical

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<b>Dimensions</b>	35 (W) x 35 (H) x 30.2 (D) mm (not including lens mount or the connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	Aluminum (AC)
<b>Lens Mount</b>	C Mount
<b>Power I/O Connector</b>	HR 10A-7R-6PB (Hirose) or equivalent
<b>Vibration</b>	2 0Hz ~ 200 Hz ~ 20 Hz (5 min. /cycle), Acceleration 10G, 3 directions 30 min. each (6 cycle)
<b>Shock</b>	Acceleration 38G, half amplitude 6 ms, 3 directions 3 times each
<b>Standard Compliancy</b>	EMS: EN61000-6-2, EMI: EN55022 (Class B)

## Environmental

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<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 4.0 W
<b>Temperature and Humidity</b>	-
- <b>Operating</b>	-5 ~ 40°C (23°F ~ 104°F)
- <b>Storage Temperature</b>	-30 ~ 65°C (-22°F ~ 140°F)
<b>Weight</b>	Approx. 38g
<b>RoHS</b>	RoHS Compliant

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# STC-CLC500A

## Camera Link

0.3 MP (VGA) 0.8 MP (XGA) 0.8 MP (XGA) 1.4 MP (SXGA) 2 MP (UXGA) 2 MP (UXGA) 5 MP (QSXGA)

F0  
&S

### Camera Link CCD, QSXGA, Color, Cased

The STC-CLC500A is a full featured, cost effective, QSXGA, digital Camera Link ® cube camera. This camera delivers a full 5M Pixels resolution at 16 fps. It has a 2/3" color CCD with RGB Primary Color Filter and features partial scanning, triggering and reset capabilities.



Documents

Software and Drivers

2/3" CCD Image Sensor

QSXGA, Progressive Scan, 16fps

Compact Housing with Precise Optical Design

## Specifications

### Imaging

<b>Image Sensor</b>	2/3" Interline 5.0 Megapixel Color Progressive CCD: ICX625AQ
<b>Total Picture Element</b>	2456 (H) x 2058 (V)
<b>Active Picture Element</b>	2448 (H) x 2058 (V)
<b>Chip Size</b>	9.93 (H) x 8.70 (V)
<b>Cell Size</b>	3.45 (H) x 3.45 (V) $\mu\text{m}$

### Function

<b>Scanning System</b>	Progressive
<b>Scanning Method</b>	Full, Partial full, 1/2 partial, 1/4 partial, Variable partial, Binning (Partial, 1/2 partial, 1/4 partial, Variable partial)
<b>Vertical Frequency (Frame Rate)</b>	16 Hz

<b>Shutter Speed</b>	OFF, 1/8 ~ 1/209,000 seconds (Variable at every H and clock)
<b>Gain</b>	0 ~ 18.309 dB
<b>Gamma</b>	1.0
<b>Trigger Mode</b>	Edge Preset Trigger (V-reset, Non-reset) Pulse Width Trigger (V-reset, Non-reset)
<b>Communication</b>	RS232 via CameraLink® connector



## Mechanical

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<b>Dimensions</b>	35 (W) x 35 (H) x 30.2 (D) mm (not including lens mount or the connector)
<b>Optical Filter</b>	No IR cut filter
<b>Optical Center Accuracy</b>	Positional Accuracy in H and V Directions: +/- 0.31 mm, Rotational accuracy of H and V: +/- 2.1 deg.
<b>Material</b>	Aluminum (AC)
<b>Lens Mount</b>	C Mount
<b>Power I/O Connector</b>	HR 10A-7R-6PB (Hirose) or equivalent
<b>Vibration</b>	2 0Hz ~ 200 Hz ~ 20 Hz (5 min. /cycle), Acceleration 10G, 3 directions 30 min. each (6 cycle)
<b>Shock</b>	Acceleration 38G, half amplitude 6 ms, 3 directions 3 times each
<b>Standard Compliancy</b>	EMS: EN61000-6-2, EMI: EN55022 (Class B)

## Environmental

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<b>Power</b>	-
- <b>Input Voltage</b>	12 Vdc +/- 10%
- <b>Consumption</b>	< 4.0 W
<b>Temperature and Humidity</b>	-
- <b>Operating</b>	-5 ~ 40°C (23°F ~ 104°F)
- <b>Storage Temperature</b>	-30 ~ 65°C (-22°F ~ 140°F)
<b>Weight</b>	Approx. 80g
<b>RoHS</b>	RoHS Compliant

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