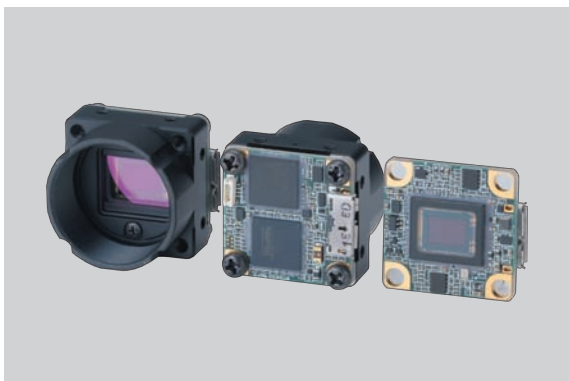


USB3.0 Small Board Camera

USB3.0



Description

USB3 Vision Small Board Camera

Features

Small board camera that can be installed in spaces with limited depth

6.4 MP rolling shutter camera

Lens mount options: without mount, C mount, CS mount, or S mount

Product Line-up

Global shutter models								
Model	Monochrome/Color	Resolution	Frame Rate	Effective Pixels (H x V)	Sensor Size	Cell Size (μm)	Sensor	Lens Mount
STC-BBS43U3V	Monochrome	0.4M	527.1 fps	720 × 540	1/2.9	6.9 × 6.9	IMX287	---
STC-BCS43U3V	Color							---
STC-BBS43U3V-BC	Monochrome							C
STC-BCS43U3V-BC	Color							C
STC-BBS43U3V-BL	Monochrome							S
STC-BCS43U3V-BL	Color							S
STC-BBS163U3V	Monochrome	1.6M	238 fps	1440 × 1080	1/2.9	3.45 × 3.45	IMX273	---
STC-BCS163U3V	Color							---
STC-BBS163U3V-BC	Monochrome							C
STC-BCS163U3V-BC	Color							C
STC-BBS163U3V-BL	Monochrome							S
STC-BCS163U3V-BL	Color							S
STC-BBS502U3V	Monochrome	5M	70.8 fps	2448 × 2048	1/1.8	2.74 × 2.74	IMX568	---
STC-BCS502U3V	Color							---
STC-BBS502U3V-BC	Monochrome							C
STC-BCS502U3V-BC	Color							C
STC-BBS502U3V-BL	Monochrome							S
STC-BCS502U3V-BL	Color							S

Rolling shutter models								
Model	Monochrome/Color	Resolution	Frame Rate	Effective Pixels (H x V)	Sensor Size	Cell Size (μm)	Sensor	Lens Mount
STC-BBS642U3V	Monochrome	6.3M	29.5 fps	3072 × 2048	1/1.8	2.4 × 2.4	IMX178	---
STC-BCS642U3V	Color							---
STC-BBS642U3V-BC	Monochrome							C
STC-BCS642U3V-BC	Color							CS
STC-BBS642U3V-BCS	Monochrome							S
STC-BCS642U3V-BCS	Color							
STC-BBS642U3V-BL	Monochrome							
STC-BCS642U3V-BL	Color							
STC-BBS1242U3V	Monochrome	12M	25.8 fps	4000 × 3000	1/1.7	1.85 × 1.85	IMX226	---
STC-BCS1242U3V	Color							---
STC-BBS1242U3V-BC	Monochrome							C
STC-BCS1242U3V-BC	Color							---

Note. JST's 04SUR-32 connector or equivalent wiring harness is separately needed to use I/O signals (camera equipped with BM04B-SURS-TF (JST) equivalent connector).
For details on pin arrangement, refer to product specification documents, available for download on our website (<https://sentech.co.jp/en/>).

Accessories

USB 3.0 Cables (USB 3.0 Micro-B, with Camera-Side Fastening Screws)

Model	Length	Cable Type
CAB-USB3-02	2 m	Normal
CAB-USB3-03	3.5 m	
CAB-USB3-05	5 m	
CAB-USB3-07	7 m	
CAB-USB3-10	10 m	Normal high-transmission cables
CAB-USB3-02-RB	2 m	Robot cables
CAB-USB3-03-RB	3.5 m	
CAB-USB3-05-RB	5 m	
CAB-USB3-07-RB	7 m	
CAB-USB3-10-RB	10 m	

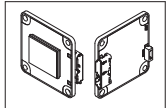
Note. Please make sure in advance that USB 3.0 cables operate correctly under your environment.

Mount Conversion Adapter

Model	Applicable Model
CS-C-R	CS Mount Series

Drawing dimension

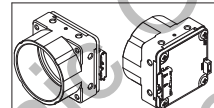
STC-BBS/BCS43U3V
STC-BBS/BCS163U3V
STC-BBS/BCS502U3V



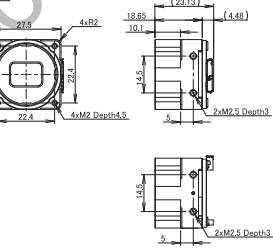
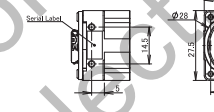
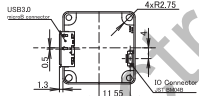
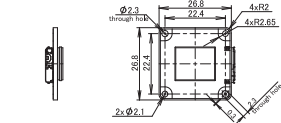
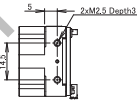
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STC-BBS/BCS1242U3V



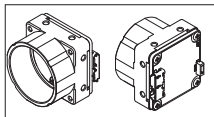
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STC-BBS163U3V-BC
STC-BBS502U3V-BC



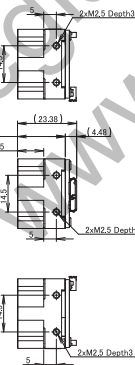
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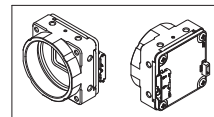
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STC-BCS163U3V-BC
STC-BCS502U3V-BC



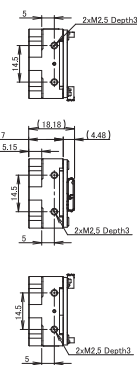
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STC-BCS1242U3V-BC



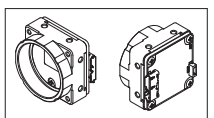
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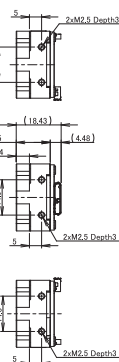
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STC-BBS642U3V-BCS



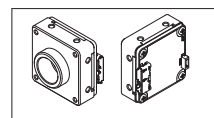
STC-BCS43U3V-BCS
STC-BCS163U3V-BCS



STC-BCS502U3V-BCS
STC-BCS642U3V-BCS



STC-BBS/BCS43U3V-BL
STC-BBS/BCS163U3V-BL



STC-BBS/BCS502U3V-BL
STC-BBS/BCS642U3V-BL

