

Color Camera | SK/SKDCE/STC



Color Cameras are available with a variety of resolutions and interfaces.

● Analog (Bayonet Connector)

Best suited for installation in devices because the cable length between the camera and a monitor can be long.

● USB (3.0)

By installing the viewer software that comes with the camera in a PC, it is easy to save images. It is provided either 2 million pixels and 5 million pixels according to the required resolution.

● HDMI

The camera can be directly connected to a high-definition compatible monitor. Best suited for visual inspection which requires high resolution and high frame rate.

Using the remote control unit that comes with the camera, you can display a cross line or shadow mask at any position on the screen, or make adjustments such as brightness (gain) or contrast while looking at the display on the screen.



Specifications				
Part Number	SK-N63SCJ-C	SK-620BJ2	STC-MCA5MUSB3	SK-HD133DV
Interface	BNC	BNC	USB3.0 Super Speed	HDMI connector DVI 1.0 compliant
Imaging Device	1/3 (0.4 Mega-pixels)	1/2 (0.4 Mega-pixels)	1/2.5 (5 Mega-pixels)	1/3 (Hi-Vision)
Chip Size [H×Vmm]	4.9×3.7	6.4×4.8	5.7×4.28	4.8×2.7
Pixels [H×V]	768×494	768×494	2592×1944	1280×720
Cell Size [H×Vμm]	7.4×6.3	7.4×5.95	2.2×2.2	3.75×3.75
Frame Rate [ps]	30	30	14	60
Lens Mount	C mount	C mount	CS mount	C mount
Accessory	AC adapter	AC adapter	<ul style="list-style-type: none"> Viewer Software (USB camera driver Image loading software) C mount conversion adapter 	<ul style="list-style-type: none"> Remote control unit AC adapter
Operating System (OS)	-	-	Windows®XP, Vista, 7 (32bit/64bit)	-
External Dimensions [mm] (excluding connector/protrusion)	36×36×42	51×51×60.5	28×28×33.8	40×40×45.8
Weight [kg]	0.065	0.19	0.038	0.12

Guide

- ▶ Various C mount compatible microscopes are available. Observation unit with coaxial illumination (OUCI-2), Zoom microscopes (LWZ/LWZ-M)

Attention

- ▶ The resolution of the monitor display may not increase depending on the resolution of the microscope or observation system. Please make sure that the resolution of the microscope or observation system is smaller than the camera cell size.
- ▶ The cameras except for STC-MCA5MUSB3 are C mount cameras. They cannot be used with CS mount products (microscopes and lenses).
- ▶ SK-N63CJ-C, SK-620BJ2 and SK-HD133DV come with an AC adapter. Please do not use AC adapters other than the one which comes with the product.
- ▶ To record images from SK-N63CJ-C, SK-620BJ2 and SK-HD-133DV, equipment which can record analog signals and HDMI signals is required.
- ▶ STC-MCA5MUSB3 does not come with a cable for connecting with a monitor. Please prepare these by the customer. Please purchase USB3.0 cables together.
- ▶ STC-MCA5MUSB3 cannot be fixed to a tripod or rod directly. Please use a mount for camera (STC-TP-HCA).

Camera Option

We provide cables and mounts for each camera.

Cables for Camera					
Part Number	SKBNC-BNC-1.5	SKBNC-BNC-3.0	STC-NU3MBA-SU3B-3.5	SKHDMI-HDMI-1.8	SKHDMI-HDMI-3.0
Output / Input Cable	BNC/BNC	BNC/BNC	USB3.0	HDMI/HDMI	HDMI/HDMI
Cable Length [m]	1.5	3	3	1.8	3

Mount for Camera	
Part Number	STC-TP-HCA
Compatible Camera	STC-MCA5MUSB3
Mounting Screw	¼-20UNC, M4

Application Systems

Optics & Optical Coatings

Opto-Mechanics

Bases

Manual Stages

Actuators & Adjusters

Motorized Stages

Light Sources & Laser Safety

Index

Microscope Unit

Alignment

Interferometers

Inspection/Observation

Bio-photonics

Laser Processing