

VGA/2M/2.4M/4M USB3.0 CMOS Global Shutter

NEW

High-Speed VGA/2M/2.4M/4M CMOS

STC-MBCM33U3V 【VGA Mono】※	STC-MCCM33U3V 【VGA Color】※
STC-MBCM200U3V 【2M Mono】	STC-MCCM200U3V 【2M Color】
STC-MBS241U3V 【2.4M Mono】※	STC-MCS241U3V 【2.4M Color】※
STC-MBCM401U3V 【4M Mono】	STC-MCCM401U3V 【4M Color】

※VGA & 2.4M In Development

These cameras have been added to Sentech's USB3 Vision camera line up.
Using C-MOSIS Sensors, these cameras possess an extremely high frame rate.
This camera uses the new USB 3.0 interface, allowing for simple interfacing for the user.
Near IR versions are available for the 2M & 4M cameras.

USBTM
VISION

Features

- VGA
640(H) x 480(V) 480fps
7.4 μ m x 7.4 μ m 1/3"
- 2M
2048(H) x 1088(V) 150fps
5.5 μ m x 5.5 μ m 2/3"
- 2.4M
1936(H) x 1216(V) 145fps
5.86 μ m x 5.86 μ m 1/1.2"
- 4M
2048(H) x 2048(V) 80fps
5.5 μ m x 5.5 μ m 1"

Specifications

Model Number	Image Sensors	Shutter Type	Effective Pixels
STC-MCM200(401)U3V (2M Color)	1/3" VGA CMOS (CMOSIS CMV300)	Global Shutter	640 (H) x 480 (V) (VGA)
STC-MCM200(401)U3V (2M Mono)	2/3" 2M CMOS (CMOSIS CMV2000)	Global Shutter	1024 (H) x 768 (V) (VGA)
STC-MCM200(401)U3V (2M Mono)	1/1.2" 2.4M CMOS (SONY IMX174LJ-C)	Global Shutter	1920 (H) x 1280 (V) (2K)
STC-MCM200(401)U3V (4M Color)	1/1.2" 2.4M CMOS (SONY IMX174LJ-C)	Global Shutter	1920 (H) x 1280 (V) (2K)
STC-MBCM401(401)U3V (4M Mono)	1/1.2" 2.4M CMOS (SONY IMX174LJ-C)	Global Shutter	1920 (H) x 1280 (V) (2K)
STC-MBCM401(401)U3V (4M NIR)	1/1.2" 2.4M CMOS (SONY IMX174LJ-C)	Global Shutter	1920 (H) x 1280 (V) (2K)

Spectral Sensitivity

STC-MCM200(401)U3V

STC-MBCM200(401)U3V-NIR

Image Sensors

Pixel Cell Size

Scan Method

Scan Mode

Frame Rate

Video Format

S/N Ratio

Minimum Scene

Illumination

ALC

Electronic Shutter

AOI

Binning

Skipping

Mirror Image

White Balance

Operating Modes : Free-Run / Edge Preset Trigger / Trigger Pulse Width

Interface : USB3.0 Super speed (USB3.0 Micro B)

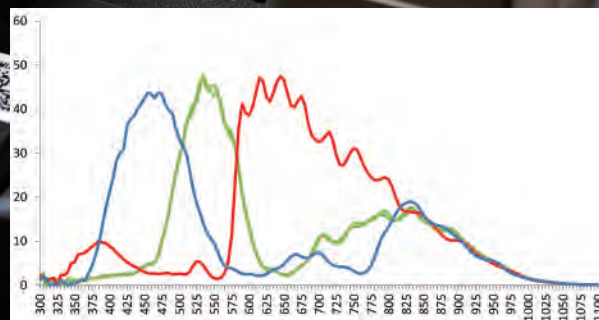
IO(Input/Output) : 3GPIO

Power

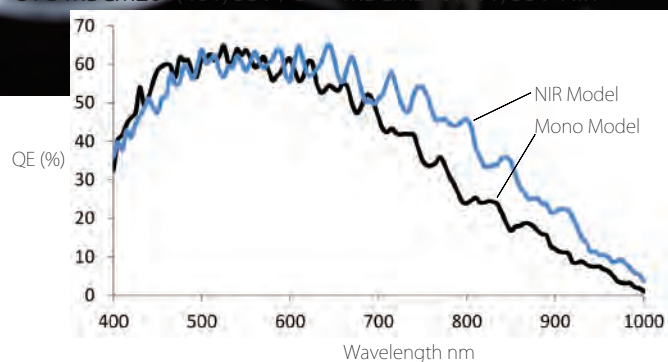
Consumption

Compliance

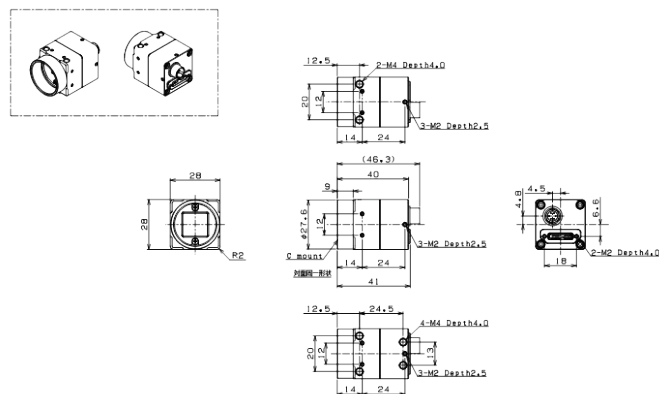
STC-MCM2004



STC-MBCM200(401)U3V / STC-MBCM200(401)U3V-NIR



Dimensions



※Specifications are subject to change without notice.