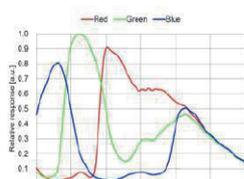


microscope camera

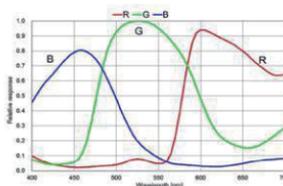


innerview.kr

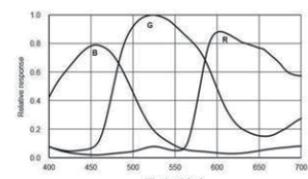
			
Feature	VC501	VC600	VC1200
Sensor	Sony IMX335	Sony IMX178	Sony IMX226
Sensor Size	1/2.8"	1/1.8"	1/1.7"
Resolution	2560×1920	3072×2048	4000×3000
Pixel Size	2.0 μm × 2.0 μm	2.40 μm × 2.40 μm	1.85 μm × 1.85 μm
Exposure Time	50 μs - 10 s	50 μs - 10 s	50 μs - 10 s
Exposure Mode	Auto/Manual/Regional	Auto/Manual/Regional	Auto/Manual/Regional
Gain	1× - 10×	1× - 10×	1× - 10×
White Balance	Auto/Manual	Auto/Manual	Auto/Manual
Shutter	Rolling Shutter	Rolling Shutter	Rolling Shutter
Color/Mono	Color	Color	Color
Binning Mode	1×1	1×1, 2×2, 3×3	1×1, 2×2, 3×3
Frame Rate	15 FPS @ 2560×1920	30 FPS @ 3072×2048	See details below: 20 FPS @ 4000×3000 40 FPS @ 2000×1500 70 FPS @ 1328×1000
A/D Transfer	12-bit	12-bit	12-bit
Built-in Image Cache	-	1 Gb	1 Gb
Read-out Noise	2.8 e-	2.5 e-	2.5 e-
Full Well	10 ke-	15 ke-	12 ke-
Dynamic Range	71 dB, 3600:1	76 dB, 6000:1	74 dB, 4800:1
Quantum Efficiency	69%	67%	67%
Lens Mount	C-mount	C-mount	C-mount
Data Interface	USB 3.0	USB 3.0	USB 3.0
Power Supply	USB 3.0 Cable	USB 3.0 Cable	USB 3.0 Cable
Power Consumption	< 1.8 W	< 1.8 W	< 1.8 W
Dimensions (L×W×H)	62 mm × 62 mm × 45 mm	80 mm × 62 mm × 39 mm	80 mm × 62 mm × 39 mm
Weight	300 g	300 g	300 g
Image Format	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF
Software Interface	DirectShow/TWAIN/ImageJ/μManager/MATLAB/LabVIEW	Same	Same
Software Matched	ImageStudio	ImageStudio	ImageStudio
Package	Box, Camera, USB 3.0 Cable, CD	Box, Camera, USB 3.0 Cable, CD	Box, Camera, USB 3.0 Cable, CD



VC501

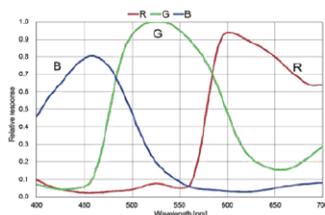


VC600

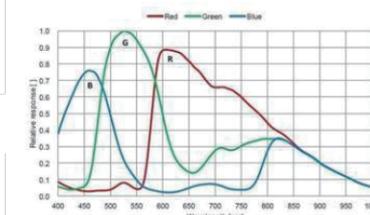


VC1200

			
Feature	VC2000	VC230AC	VC230BC
Sensor	Sony IMX183	Sony IMX174	Sony IMX174
Sensor Size	1"	1/1.2"	1/1.2"
Resolution	5472×3648	1920×1200	1920×1200
Pixel Size	2.40 μm × 2.40 μm	5.86 μm × 5.86 μm	5.86 μm × 5.86 μm
Exposure Time	50 μs - 10 s	50 μs - 10 s	50 μs - 10 s
Exposure Mode	Auto/Manual/Regional	Auto/Manual/Regional	Auto/Manual/Regional
Gain	1× - 10×	1× - 32×	1× - 32×
White Balance	Auto/Manual	Auto/Manual	Auto/Manual
Shutter	Rolling Shutter	Global Shutter	Global Shutter
Color/Mono	Color	Color	Color
Binning Mode	1×1, 2×2, 3×3	1×1	1×1
Frame Rate	See details below: 12.5 FPS @ 5472×3648	See details below: 40 FPS @ 1920×1200 100 FPS @ 1920×1200	See details below: 38 FPS @ 2736×1824 47 FPS @ 1824×1216
A/D Transfer	12-bit	12-bit	12-bit
Built-in Image Cache	1 Gb	1 Gb	1 Gb
Read-out Noise	2.7 e-	3.5 e-	3.5 e-
Full Well	15 ke-	32 ke-	32 ke-
Dynamic Range	75 dB, 5600:1	79 dB, 9100:1	79 dB, 9100:1
Quantum Efficiency	69%	74%	74%
Lens Mount	C-mount	C-mount	C-mount
Data Interface	USB 3.0	USB 3.0	USB 3.0
Power Supply	USB 3.0 Cable	USB 3.0 Cable	USB 3.0 Cable
Power Consumption	< 1.8 W	< 1.8 W	< 1.8 W
Dimensions (L×W×H)	80 mm × 62 mm × 39 mm	80 mm × 62 mm × 39 mm	80 mm × 62 mm × 39 mm
Weight	300 g	300 g	300 g
Image Format	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF
Software Interface	DirectShow/TWAIN/ImageJ/μ Manager/MATLAB/LabVIEW	Same	Same
Software Matched	ImageStudio	ImageStudio	ImageStudio
Package	Box, Camera, USB 3.0 Cable, CD	Box, Camera, USB 3.0 Cable, CD	Box, Camera, USB 3.0 Cable, CD



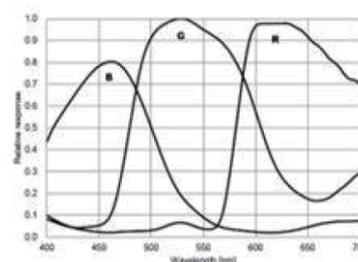
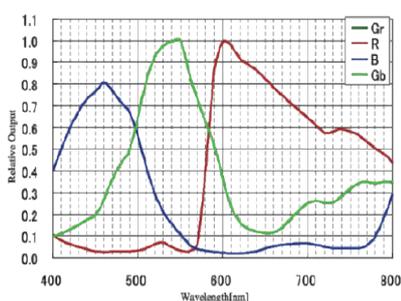
VC2000



VC230AC/VC230BC



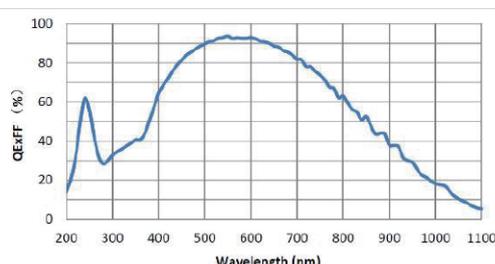
	SD1600AC	SD1000AC/AM
Feature	SD1600AC	SD1000AC/AM
Sensor	Sony IMX294	Sony IMX294
Sensor Size	4/3"	4/3"
Resolution	4608×3456	3792×2824
Pixel Size	3.80 μm × 3.80 μm	4.630 μm × 4.63 μm
Exposure Time	50 μs - 120 s	50 μs - 120 s
Exposure Mode	Auto/Manual/Regional	Auto/Manual/Regional
Gain	1× - 16×	1× - 16×
White Balance	Auto/Manual	Auto/Manual White/Black
Shutter	Rolling Shutter	Rolling Shutter
Color/Mono	Color	Color/Mono
Binning Mode	1×1, 2×2, 3×3	1×1
Frame Rate	See details below: 12.7 FPS @ 4608×3456	See details below: 25 FPS @ 3792×2824 25.6 FPS @ 2604×1728 42.7 FPS @ 1536×1152
A/D Transfer	12-bit	14-bit
Built-in Image Cache	1 Gb	2 Gb
Read-out Noise	1.6 e-	1.6 e-
Full Well	19 ke-	65 ke-
Dynamic Range	81 dB, 12000:1	94 dB, 50000:1
Quantum Efficiency (QE)	88%	88%
Cooling	Two-Stage TEC Cooling	Two-Stage TEC Cooling
Cooling Temperature	40°C below ambient	40°C below ambient
Data Interface	USB 3.0	USB 3.0
Lens Mount	C-mount	C-mount
Power Consumption	25 W	25 W
Power Requirement	12 V	12 V
Dimensions (L×W×H)	80 mm × 80 mm × 110 mm	80 mm × 80 mm × 110 mm
Weight	1000 g	1000 g
Image Format	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF
Software Interface	DirectShow/TWAIN/ImageJ/μ Manager/MATLAB/LabVIEW	Same
Software Matched	ImageStudio	ImageStudio
Package	Box, Camera, USB 3.0 Cable, CD	Box, Camera, USB 3.0 Cable, CD



SD1000AC/AM



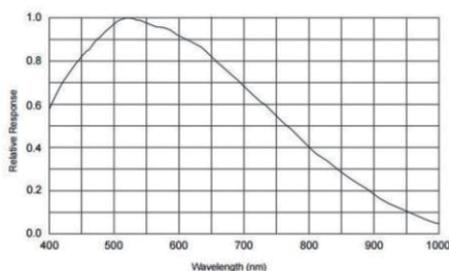
Feature	SD400BM
Sensor	GSENSE2020BSI
Sensor Size	1.2"
Resolution	2048×2048
Pixel Size	6.5 μm × 6.5 μm
Exposure	50 μs - 120 s
Exposure Model	Manual/Auto/Regional
Gain	1× - 64×
Black Balance	Auto/Regional
Shutter	Rolling Shutter
Color	Mono
Binning	1×1, 2×2, 4×4
Frame Rate	38 FPS @ 2048×2048
A/D	12-bit
Built-in Image Cache	2 Gb
Read-out Noise	1.2 e-
Full Well	54 ke-
Dynamic Range	93 dB, 45000:1
Quantum Efficiency (QE)	95%
Cooling	Secondary TEC Refrigeration
Cooling Temperature	Ambient temperature below 40°C
Interface	USB 3.0
Lens	C-mount
Power	25 W
Voltage	12 V
Camera Size (L×W×H)	85 mm × 85 mm × 115 mm
Weight	1000 g
Image Format	RAW/JPG/BMP/PNG/TIF
Software Interface	DirectShow/TWAIN/ImageJ/μ Manager/MATLAB/LabVIEW



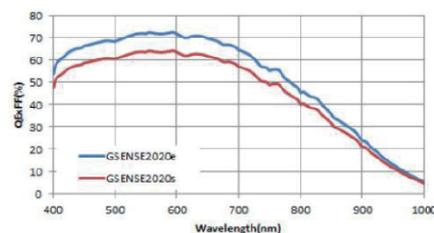
SD400BM



	IR300M	IR400M
Feature	IR300M	IR400M
Sensor	GSENSE2020e	GSENSE2020e
Sensor Size	1/1.1"	1.2"
Resolution	2240×1400	2048×2048
Pixel Size	5.48 μm × 5.48 μm	6.5 μm × 6.5 μm
Spectral Response	< 1100 nm	< 1100 nm
Exposure	50 μs - 10 s	50 μs - 120 s
Exposure Model	Manual/Auto/Regional	Manual/Auto/Regional
Gain	1× - 32×	1× - 64×
Black Balance	Auto/Regional	Auto/Regional
Shutter	Rolling Shutter	Rolling Shutter
Color	Mono	Mono
Binning	1×1	1×1, 2×2, 4×4
Frame Rate	38 FPS @ 2240×1400	41 FPS @ 2048×2048
A/D	12-bit	12-bit
Built-in Image Cache	1 Gb	2 Gb
Read-out Noise	3.5 e-	2 e-
Full Well	32 ke-	45 ke-
Dynamic Range	79 dB, 9100:1	87 dB, 22500:1
Quantum Efficiency (QE)	See details below:	See details below:
	74% @ general range	74% @ general range
	45% @ 800 nm	45% @ 800 nm
	24% @ 900 nm	24% @ 900 nm
	5% @ 1000 nm	5% @ 1000 nm
Cooling	Secondary TEC Refrigeration	Secondary TEC Refrigeration
Cooling Temperature	Ambient temperature below 40°C	Ambient temperature below 40°C
Interface	USB 3.0	USB 3.0
Lens	C-mount	C-mount
Power	25 W	25 W
Voltage	12 V	12 V
Camera Size (L×W×H)	80 mm × 80 mm × 110 mm	85 mm × 85 mm × 115 mm
Weight	1000 g	1000 g
Image Format	RAW/JPG/BMP/PNG/TIF	RAW/JPG/BMP/PNG/TIF
Software Interface	DirectShow/TWAIN/ImageJ/μ Manager/MATLAB/LabVIEW	Same



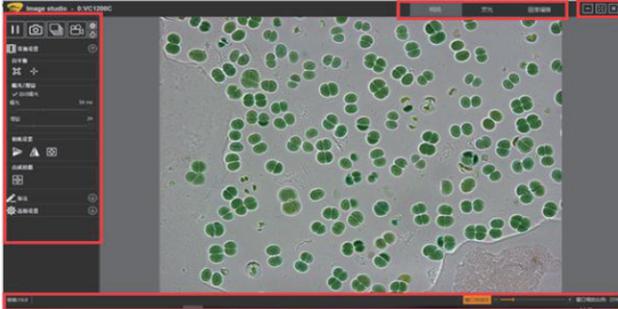
IR300



IR400

User-friendly Interface

User-friendly interface enabling users to quickly get started without systematic learning, and users can customize the interface according to the applications



Different application scenes for choose

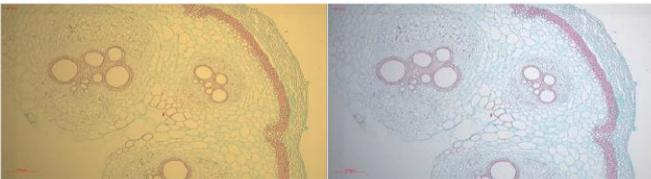
You can choose suitable scenarios based on your actual use environment

Diverse shooting / Measuring / Report output

Support single shooting / timing continuous shooting / camera record, calibration and various measurements, generate reports and export to Word / Excel documents, integrate all work flows, save operation time. If you have high requirements on image quality and do not need to take a large number of pictures in a short time, you can select the research-level option in the shooting Settings to take pictures. It takes several seconds to tens of seconds to take a picture in the research-level

White / Black balance

No cumbersome manual adjustment, the true one-key accurate color reduction. The image below shows a comparison of one-button white balance



Profile function

The profile function shows the trend of brightness changes in each line segment.



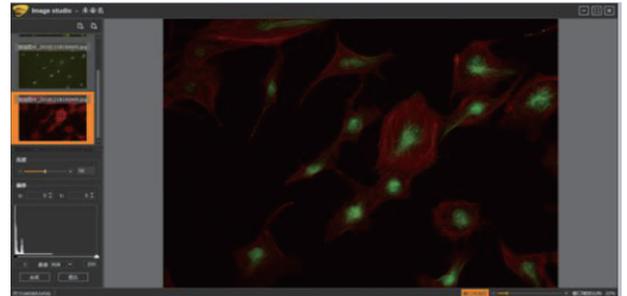
Image Stitching

Only needs to move the loading platform to stitch images, largely expand the visual field.



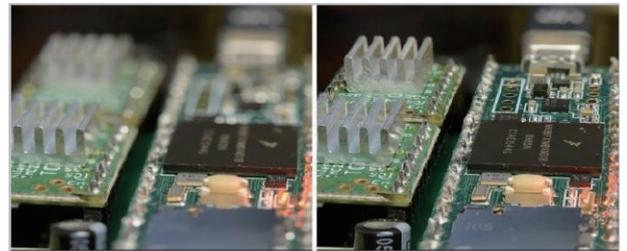
Fluorescence Overlay

Professional fluorescence multi-channel synthesis function, convenient for users to perform high quality and high efficiency fluorescence imaging and analysis



Multi-focus

Multi-focus can synthesize multiple images that are partially blurred due to insufficient depth of field into a single clear image



Auto Count

Automatic calculation of the image target object area, quantity, and other data

