

Ultra Small Size Full HD USB Camera Module

KTUSCM002F High Frame Rate Ver



Features

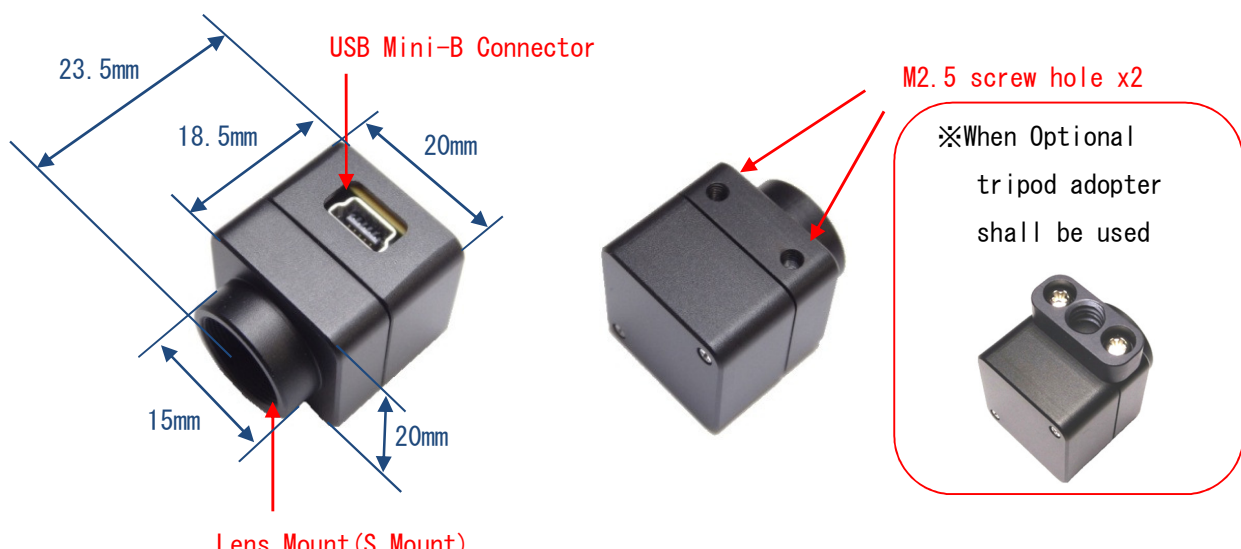
- Ultra small size (20mm x 20mm x 23.5mm) and super lightweight (12g) body
- High resolution HD(1280 x 720 Pixels) at 60 frame/s available
- Adopt high sensitive and low noise CMOS sensor IMX222 Exmor® made by Sony
- Low power consumption Approx. 500mW (HD output)
- Support USB Video Class(UVC)
No driver installation required
- S mount (M12 x P0.5) Lens available
(the lens is option)
- Reliable Japanese design and production
- Small lot is available
- Custom made is available
(firmware adjustment, lens choice, housing etc)



Full HD
1080

• Exmor is a registered trademark of Sony Corporation.

Appearance



Main Specification

Items	Specification	Remarks
Image sensor	Sony CMOS color image sensor 1/2.8 inch (Diagonal 6.4mm)	IMX222
Effective pixels	1984(H) x 1225(V), Approx. 2.43M pixels	
Scanning system	Progressive	
Shutter	Electronic rolling shutter	
Output image formats	YUV422, MJPEG	
Data interface	USB2.0 (High speed / Full speed)	Full speed mode supports only QCIF(176 x 144 Pixels) resolution.
Maximum frame rate (MJPEG)	VGA 640 x 480 Pixels : 60fps HD 1280 x 720 Pixels : 60fps	
Sensitivity (F5.6)	510mV	Image sensor characteristic
Operating system	Windows® 7 (SP1) Windows® 8.1	
Driver	No driver installation required Compliant with the USB Video Class(UVC)	
Connector	USB Mini-B	
Size / Weight	W20 x D20 x H23.5mm / Approx.12g	
Power supply	5.0V (USB Bus Power Supply) Current consumption : Approx.100mA	
Certification	RoHS	

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- *This brochure is current as of October 2014. Specifications are subject to change without notice.*

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