

4 Specifications

4.1 Electronic specifications

Model Number		STC-S133UVC-BL / STC-S133UVC-BLL / STC-S133UVC-BLCS / STC-S133UVC-DBL / STC-S133UVC-DBLL / STC-S133UVC-DBLCS STC-S133UVC-ALL / STC-S133UVC-ALCS / STC-S133UVC-DALL / STC-S133UVC-DALCS	
Image sensor		1/3.2" 1.27M Progressive CMOS (SONY ISX017)	
Video signal format	USB3.0	1,280 (H) x 720 (V) 60 / 50 / 30 / 25 fps, 1,280 (H) x 960 (V) 30 / 25 fps (Default: 1,280 (H) x 720 (V) 60 fps)	
	USB2.0	800 (H) x 600 (V) 25 fps, 640 (H) x 480 (V) 30 / 25 fps with image center ROI output (Default: 800 (H) x 600 (V) 25 fps)	
Chip size	USB3.0	4.48 (H) x 2.52 (V) mm (1,280 (H) x 720 (V)) / 4.48 (H) x 3.36 (V) mm (1,280 (H) x 960 (V))	
	USB2.0	2.80 (H) x 2.10 (V) mm (800 (H) x 600 (V)) / 2.24 (H) x 1.68 (V) mm (640 (H) x 480 (V))	
Cell size		3.5 (H) x 3.5 (V) μ m	
Shutter type		Rolling shutter	
Sensitivity (*1)		220 Lux	
Sync system		Internal	
Compliant standard		USB3.0 / USB2.0 USB Video Class (UVC) 1.1 Communication Device Class (CDC)	
Support OS		Windows 7,10 / Linux (Ubuntu, CentOS)	
Camera functions	Adjustable functions with UVC Viewer		Adjustable functions with communication
	Electronic shutter	1/60 to 1/10,000 seconds Auto (Auto only for USB2.0)	1/60 (1/50) to 1/605,000 seconds Auto / Fixed
	Gain	AGC only	AGC / Fixed gain 0 to 40 dB
	White balance	Auto White Balance only	Auto white balance / Manual / Push to set
	Image flip	Horizontal and vertical flip only	Normal / Horizontal flip / Vertical flip / Horizontal and vertical flip
	Gamma	N/A	Manual / Straight
	Privacy masking	N/A	16 frames (Color, size and position are adjustable individually) (Default: Off)
	Color adjustment		Hue and saturation are adjustable
	Image adjustment		Brightness and contrast are adjustable
	Day / Night	N/A	Support
	Lens correction	N/A	Vignetting, distortion and shading correction
	Others	Back light compensation / Flicker correction	Pixel blemish correction / WDR / Defog / Back light compensation / Flicker correction / High brightness correction / Noise reduction (2D) / Negative/Positive image / False color correction
Communication		N/A	UART communication by CDC 115,200bps
OSD		Available for USB3.0 connection with CDC	
Interface		USB3.0 micro B type connector	
Power	Input voltage	+5 V USB Bus power	
	Consumption	Max: 1.0W, Typical 0.8 W	

Default: **Bold**