

## 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) $\mu$ 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 <b>Auto</b> / Fixed
	Gain	AGC only	<b>AGC</b> / Fixed gain 0 to 40 dB
	White balance	Auto White Balance only	<b>Auto white balance</b> / Manual / Push to set
	Image flip	Horizontal and vertical flip only	<b>Normal</b> / Horizontal flip / Vertical flip / Horizontal and vertical flip
	Gamma	N/A	<b>Manual</b> / Straight
	Privacy masking	N/A	16 frames (Color, size and position are adjustable individually) <b>(Default: Off)</b>
	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**