



Item	Specification / Description
Sensor & Image	
Product Model	B10
Image Sensor	CX8162+OV16808 (1/3"), 8MP
Max. Effective Pixels	3840 (H) * 2160 (V) (4K UHD)
Sensitivity	600mV/Lux-sec
Pixel Size	1.3µm x 1.3µm
Output Image Format	MJPEG / YUV2 (YUYV)
Assembly Technology	SMT (ROHS Compliant)
Center Definition	600LW/PH (Center)
Signal-to-Noise Ratio (SNR)	36.8dB
Dynamic Range	72.5dB
Illumination Sensitivity	0.65V/lux-sec @ 550nm
Min. Illumination	0.5lux
Shutter Type	Electronic Rolling Shutter / Frame Exposure
Focus & Lens	
Focus Type	Auto Focus
Object Distance (OD)	5CM - 100M
Lens Specification	Size: 1/3, Iris: F2.8, Focus: 3.2mm, FOV: 120 Degree, Relative Illumination (Sensor): 70%, IR Cut Filter: 650±10nm
Microphones	
Microphone type	Dual omnidirectional with echo cancellation
Frequency range	35-18 kHz
Range	2 meters
Supported Resolution & FPS	
Supported Resolution/FPS (YUY2)	1920*1080 : 5fps, 1600*1200 : 5fps, 1280*720 : 5fps, 1024*768 : 15fps, 640*480 : 30fps, 352*288 : 30fps
Supported Resolution/FPS (MJPEG Default)	3840*2160: 30fps, 2048*1536 : 30fps, 1920*1080 : 30fps, 1280*720 : 30fps, 1024*768 : 30fps, 640*480 : 30fps, 352*288 : 30fps
Power & Interface	
Interface Type	USB2.0 High Speed, Plug & Play
Power Supply & Interface	USB BUS POWER 4-Pin 2.0mm Socket
Voltage	DC5V
Current Consumption	150mW (VGA); 200mW (QSXGA)
USB Cable	1M (2M/3M/5M Optional)
Function & System	
Auto Exposure Control (AEC)	Supported
Auto White Balance (AWB)	Supported
Auto Gain Control (AGC)	Supported
Adjustable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Compensation, Exposure
System Support	Win XP/Vista/Win7/Win8/WIN10 / Linux with UVC (above linux-2.6.26) , MAC-OS X 10.4.8 or later/Android 4.0 or above with UVC
Dimensions & Environment	
Dimensions (HxD)	40x26mm
Storage Temperature	-20°C to 70°C
Operating Temperature	0°C to 60°C
Operating Humidity	15% - 85%