



No.	Item	Specification / Description
I. Sensor & Image		
1	Product Model	B10
2	Sensor	CX8162+OV16808 (1/3")
3	Max. Effective Pixels	3840 (H) * 2160 (V) (4K UHD)
4	Sensitivity	600mV/Lux-sec
5	Pixel Size	1.3µm x 1.3µm
7	Output Image Format	MJPEG / YUV2 (YUYV)
8	Assembly Technology	SMT (ROHS Compliant)
11	Center Definition	600LW/PH (Center)
12	Signal-to-Noise Ratio (SNR)	36.8dB
13	Dynamic Range	72.5dB
14	Illumination Sensitivity	0.65V/lux-sec @ 550nm
17	Min. Illumination	0.5lux
18	Shutter Type	Electronic Rolling Shutter / Frame Exposure
II. Focus & Lens		
9	Focus Type	Fixed Lens
10	Object Distance (OD)	5CM - 100M
24	Lens Specification	Size: 1/3, Iris: F2.8, Focus: 3.2mm, FOV: 120 Degree, Relative Illumination (Sensor): 70%, IR Cut Filter: 650±10nm
III. Supported Resolution & FPS		
15	Supported Resolution/FPS (YUY2)	1920*1080 : 5fps, 1600*1200 : 5fps, 1280*720 : 5fps, 1024*768 : 15fps, 640*480 : 30fps, 352*288 : 30fps
16	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
IV. Power & Interface		
19	Interface Type	USB2.0 High Speed, Plug & Play
26	Power Supply & Interface	USB BUS POWER 4-Pin 2.0mm Socket
27	Voltage	DC5V
28	Current Consumption	150mW (VGA); 200mW (QSXGA)
32	USB Cable	1M (2M/3M/5M Optional)
V. Function & System		
20	Auto Exposure Control (AEC)	Supported
21	Auto White Balance (AWB)	Supported
22	Auto Gain Control (AGC)	Supported
23	Adjustable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Compensation, Exposure
34	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
VI. Dimensions & Environment		
29	Dimensions (HxD)	40x26mm
30	Storage Temperature	-20°C to 70°C
31	Operating Temperature	0°C to 60°C
33	Operating Humidity	15% - 85%