

Small Drip-proof USB2.0 Full HD Color Camera

Preliminary

- Compact Design: 30×30×22 (mm)
- Drip-proof Structure (Equivalent to IPX5)
- The Cable Position is Modifiable according to application



Example of Use The cable position is arbitrarily modifiable according to application

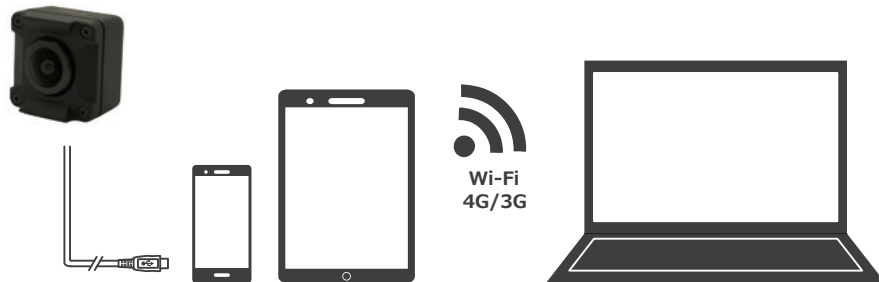
Helmet (Cable Sideways)



Chest Pocket (Cable Lower Side)



Connection Diagram



Connect to a smart phone or tablet and using its Wi-Fi or 4G/3G to Live Video Transmission

Specifications

Pick-up Element	1/2.8 inch CMOS Image Sensor	
Number of Effective Pixels	1305(H) × 977(V)	
Unit Cell Size	3.75μm(H) × 3.75μm(V)	
Imaging System	RGB Primary Color Bayer Arrangement Mosaic Filters on Chip	
Synchronizing System	Internal	
Scanning System	Progressive	
Output Size	1920×1080, 1280×960, 1280×720, 640×480, 320×240	
Max. Frame Rate	30 fps	
Video Compression	MJPG, YUY2	
Video Output	USB Video Class (Compatible)	
Minimum Illumination	0.3 lx F2.0 (AGC ON=36dB, Shutter=OFF)	
	0.07 lx F2.0 (AGC ON=36dB, Shutter=1/7.5 sec.)	
S/N	-	
Function Settings	Camera Viewer	
AE mode	Fixed	Slow Shutter 1/15, 1/7.5, 1/4 sec.
		1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000 sec.
	EI	1/30 - 1/8000 sec. 1/7.5 - 1/8000 sec.
White Balance	ATW, MWB	
AGC	ON	0 - 36dB
	OFF	-
MGC	0 - 72dB (1dB Step)	
Gamma Characteristics	γ≈USER (Level Adjustable)	
Noise Reduction	-	
Wide Dynamic Range	-	
Lens Iris	-	
Back Light Compensation	BLC	
White Blemish Correction	-	
Sharpness	Level Adjustable	
Defog	-	
Digital Zoom	-	
Privacy Mask	-	
Mirror Image	-	
Freeze	-	
Motion Detection	-	
Neg. Image	-	
Interface	USB (High Speed)	
Power Supply	USB +5V	
Power Consumption	0.75W (150mA)	
Operating Temperature	-10 - +50°C	
Storage Temperature	-30 - +70°C	
Operating / Storage Humidity	95% RH or Less (without Condensation)	
Lens Mount	M12 P=0.5	
Cable Length	1.2m (Max. 3.0m)	
Weight	Approx. 54.5g	
Accessories	TBD	
Min. System Requirements	CPU	800MHz or Faster
	RAM	512MB or Larger
	Others	USB2.0 Port
Recommended System Specifications	CPU	Intel® Core i Series
	RAM	2GB or Larger
	Others	USB2.0 Port, 1920×1080 or Better Resolution Display
Operation Confirmed OS	Windows 7 32bit/64bit, Windows 8 32bit/64bit, Windows 8.1 32bit/64bit,	
	Windows 10 32bit/64bit, Android 4.0 or Newer	

Dimensions

