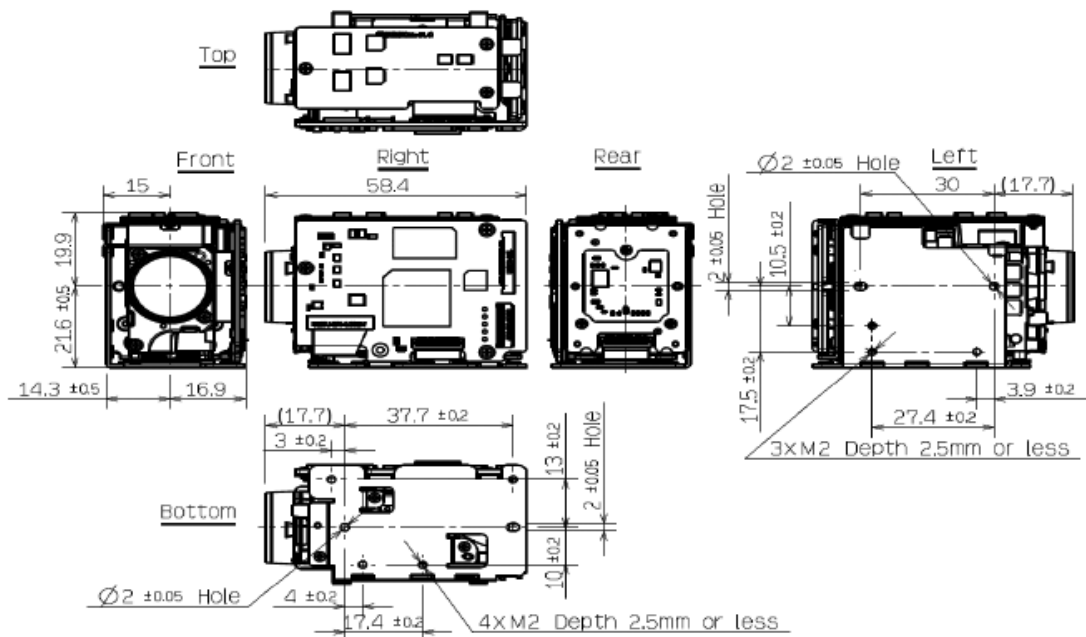


Camera Module / Model : MP1010M-VC



**SPECIFICATIONS:**

Camera			
Image sensor	1/3-type CMOS (Progressive Scan)	Gamma	Standard/Straight gamma
Effective number of pixels	Approx. 4,080,000 pixels	Aperture control	16 steps
Signal system(HD)	1080p/60, 1080p/50, 1080p/30, 1080p/25, 1080i/60, 1080i/50, 720p/60, 720p/50	White balance	ATW1(Narrow), ATW2(Wide), One push, Manual (B, R)

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Minimum illumination	0.5 lx (1/30sec, F1.8, 50%)	AE (Auto exposure mode)	Auto, Manual, Priority mode (shutter/iris)
Recommended illumination	100 lx to 100,000 lx	Lens (wide to tele)	10x optical zoom $f = 3.3$ to 33.0 mm F1.8 to 3.4
S/N ratio	More than 50dB	Zoom mode	Standard /Variable/Direct
Gain	Auto / Manual	Zoom movement speed (wide to tele)	1.4 sec (Focus Tracking ON)
Shutter speed	1/1 to 1/10,000 sec	Focusing system	Auto, Manual, One push, AF sensitivity
Sync system	Internal	Horizontal viewing angle (wide to tele)	59.2° to 6.7°
Exposure compensation	-12dB to +12dB (Total 13 steps)	Minimum object distance (wide to tele)	10mm to 800mm
Backlight compensation	ON/OFF	Horizontal resolution	800 TV lines
<b>Functions</b>			
VC (Vibration Compensatin)	Available	Picture effects (Black White)	Available
Wide-D	Available	Picture freeze	Available
Defog	Available	Electronic-Flip (E-Flip)	Available
Noise reduction (3D + 2D)	Available	Mirror image	Available
Digital output	Available	Teamperature readout	Available

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Privacy zone masking	Available	Title display	Available
Slow shutter	Available		
<b>General</b>			
Power requirement	8 V to 12 V DC	Operating humidity	20% to 80% (no condensation)
Power consumption	Approx. 3W	Storage humidity	20% to 90% (no condensation)
Operating temperature	-5 °C to +60°C	Dimensions (W x H x D)	31.9 x 41.5 x 58.4 mm
Storage temperature	-40 °C to +60°C	Weight	Approx. 77g
<b>Interface</b>			
Video output	Digital: Y/Pb/Pr 4:2:2 (LVDS)	Camera control interface	VISCA protocol *VISCA is a trademark of Sony Corporation.