

TAMRON

Compact Camera Module with Vibration-Compensation MP1110M-VC

Overview

- A proprietary optical vibration-compensation function prevents image blurring in vibrating environments and at the telephoto end, ensuring clear and crisp images.
- Compact size with a total length of 58.4mm and light of approx. 77g
- High-Quality Camera Compliant with 1920 x 1080 Full HD

Specifications

■ Camera

Image sensor	1/3-type CMOS (Progressive Scan)
Effective number of pixels	Approx. 4,080,000 pixels
Pixel Output (H x V)	1920 x 1080, 1280 x 720
Signal system(HD)	1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 720p/50, 720p/30, 720p/29.97, 720p/25
Signal system(SD)	NTSC/PAL
Minimum illumination	0.5 lx (1/30sec, F1.8, 50%)
Recommended illumination	100 lx to 100,000 lx
S/N ratio	More than 50dB
Gain	Auto / Manual
Shutter speed	1/1 to 1/10,000 sec
Sync system	Internal
Exposure compensation	-12dB to +12dB (Total 13 steps)
Backlight compensation	ON/OFF
Gamma	Standard/Straight
Aperture control	16 steps
White balance	ATW1(Narrow), ATW2(Wide), One push, Manual (B, R)
AE (Auto exposure mode)	Auto, Manual, Priority mode (shutter/iris)
Lens (wide to tele)	10x optical zoom f=3.3 to 33.0 mm F1.8 to 3.4
Zoom mode	Standard /Variable/Direct
Zoom movement speed (wide to tele)	1.4 sec (Focus Tracking ON)
Digital Zoom	Up to 16 x
Focusing system	Auto, Manual, One push, AF sensitivity
Horizontal viewing angle (wide to tele)	58.2° to 6.9°
Minimum object distance (wide to tele)	10mm to 800mm
Horizontal resolution	800 TV lines

■ Functions

VC (Vibration Compensation)	Available
Wide-D	Available
Defog	Available
Noise reduction (3D + 2D)	Available
Digital output	Available
Privacy zone masking	Available
Motion Detection	Available
Slow shutter	Available
Picture effects (Black White)	Available
Picture freeze	Available
Electronic-Flip (E-Flip)	Available
Mirror image	Available
Temperature readout	Available
Title display	Available

■ General

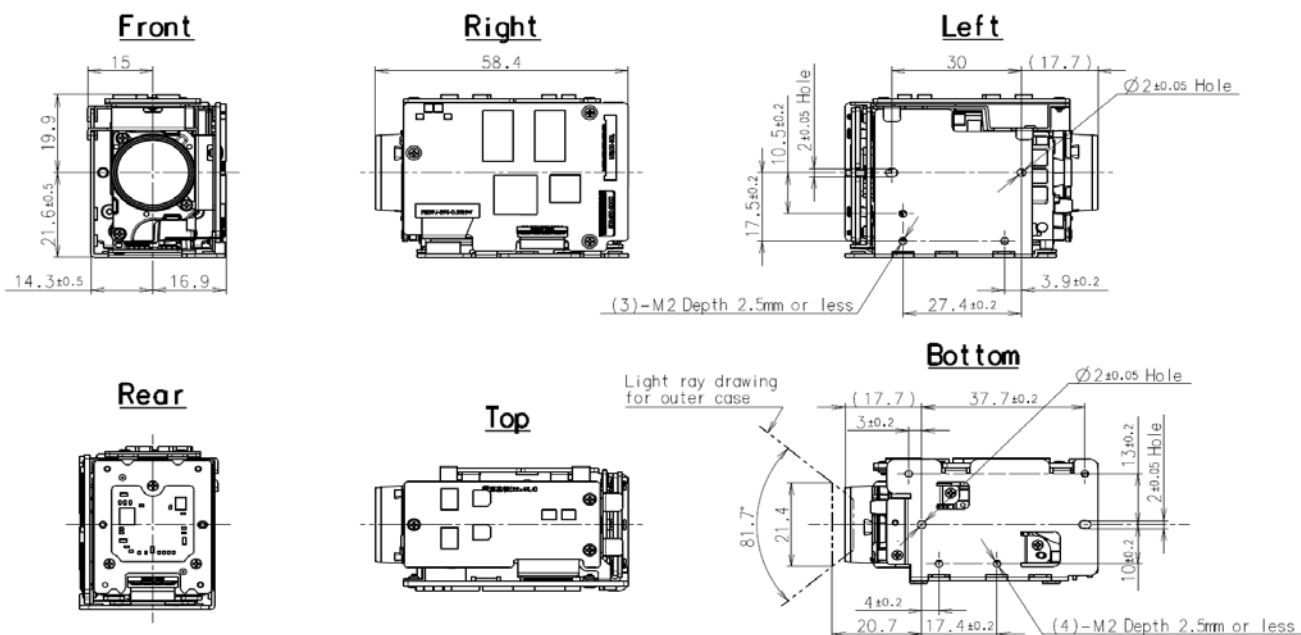
Power requirement	8 V to 12 V DC
Power consumption	Approx. 3W
Operating temperature	-5 °C to +60°C
Storage temperature	-40 °C to +60°C
Operating humidity	20% to 80% (no condensation)
Storage humidity	20% to 90% (no condensation)
Dimensions (W x H x D)	31.9 x 41.5 x 58.4 mm
Weight	Approx. 77g

■ Interface

Video output (HD)	Digital: Y/Pb/Pr 4:2:2 (LVDS)
Video output (SD)	CVBS
Camera control interface	VISCA protocol *VISCA is a trademark of Sony Corporation.

Dimensions

unit: mm



Model name	Tamron co.Ltd	Category	Issue	Page
MP1110M-VC		Camera Module	2018/3/1	1/1