

unit : mm (±0.5)

Feature

- CCIQ II** ▶ Challenge CCD Image Quality
- Hi Resolution up to 400 TV Lines.
- Weatherproof IP66
- Compact size.
- High Quality Picture.
- High Performance.
- Outstanding Quality!
- Competitive Price!

Specification

Model	MO-R3512A
Video system	NTSC & PAL
Number of effective pixels	648 x 488 (NTSC & PAL)
Image sensor	1/4" CCIQ II Color Camera
Resolution(TV Lines)	400 TV Lines
S/N Ratio	more than 48dB
Minimum illumination	0.1 LUX / F1.2
Electronic shutter	60 field/sec (NTSC) , 50 field/sec (PAL)
Horizontal sync frequency	NTSC - 15.734kHz , PAL - 15.625kHz
Vertical sync frequency	NTSC - 60Hz , PAL - 50Hz
Camera consumption	0.45
Video output	1Vp-p , 75ohm composite
Audio output	20-16000Hz,S/N more than 58dB (Optional)
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Built-in Lens	4.3 mm/F2.0
Power source	DC 5~12 V(Standard)
Power current	50 mA
Dimension (mm)	camera: Ø 13 x 42 (mm)



MO-R3512A

Ordering Information

MODEL	LENS		MIC.
MO-R3512-4F	4.3mm/F2.0	X	X
MO-R3512A-4F	4.3mm/F2.0	X	Built - in
MO-R3512Y-4F	4.3mm/F2.0	Day & Night Lens	X
MO-R3512YA-4F	4.3mm/F2.0	Day & Night Lens	Built - in
MO-R3712-4F	4.3mm/F2.0	X	X
MO-R3712A-4F	4.3mm/F2.0	X	Built - in

NOTE :

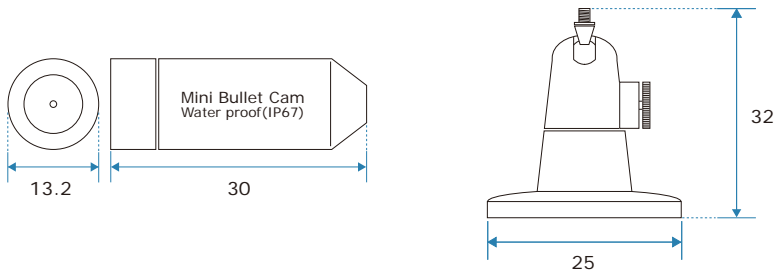
- MO-R3512YA **A** : Built-in Microphone
- MO-R3512YA **Y** : Day & Night Lens
- MO-R3512YA 1/4" CCIQ II Color Camera
- MO-R3712A 1/4" CCIQ II B/W Camera

Other Information

MO-R3513

Waterproof IP 67
1/4" Color CCIQ II Mini Bullet Camera





unit : mm (±0.5)

Feature

- CCIQ II** ▶ Challenge CCD Image Quality
- Hi Resolution up to 400 TV Lines.
- WaterProof IP67
- Compact size.
- High Quality Picture.
- High Performance.
- Outstanding Quality!
- Competitive Price!

Specification

Model	MO-R3513
Video system	NTSC & PAL
Number of effective pixels	648 x 488(NTSC & PAL)
Image sensor	1/4" CCIQ II Color Camera
Resolution(TV Lines)	400 TV Lines
S/N Ratio	more than 50dB
Minimum illumination	0.1 LUX / F1.2
Electronic shutter	60 field/sec (NTSC) , 50 field/sec (PAL)
Horizontal sync frequency	NTSC - 15.734kHz , PAL-15.625kHz
Vertical sync frequency	NTSC - 60Hz , PAL - 50Hz
Camera consumption	0.45
Video output	1Vp-p , 75ohm composite
Audio output	20-16000Hz,S/N more than 58dB (Optional)
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Built-in Lens	4.3 mm/F2.0
Power source	DC 5 ~ 12 V (Standard)
Power current	50 mA
Dimension (mm)	camera: Ø 13.2 x 30 (mm)



MO-R3513

Ordering Information

MODEL	LENS		MIC.
MO-R3513-4F	4.3mm/F2.0	X	X
MO-R3513A-4F	4.3mm/F2.0	X	External
MO-R3513Y-4F	4.3mm/F2.0	Day & Night Lens	X
MO-R3513YA-4F	4.3mm/F2.0	Day & Night Lens	External
MO-R3713-4F	4.3mm/F2.0	X	X
MO-R3713A-4F	4.3mm/F2.0	X	External

NOTE :

- MO-R3513YA **A** : External Microphone
- MO-R3513YA **Y** : Day & Night Lens
- MO-R**35**13YA 1/4" CCIQ II Color Camera
- MO-R**37**13A 1/4" CCIQ II B/W Camera

Other Information

MO-R3512A

Weatherproof IP66
1/4" Color CCIQ II Mini Bullet Camera

