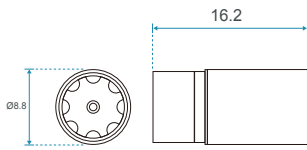
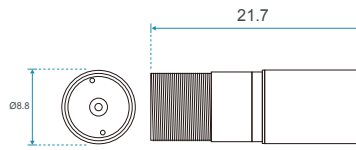


Body Type

MO-B5609-3D



MO-B5609-4F



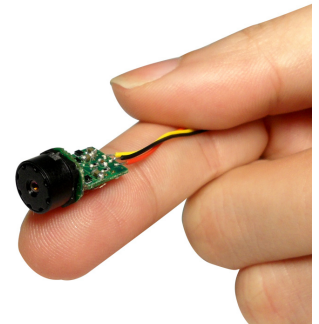
Feature

- High Sensitivity!
- High Performance.
- Memory size UP TO 16 K
- 480 TV lines
- Compact size

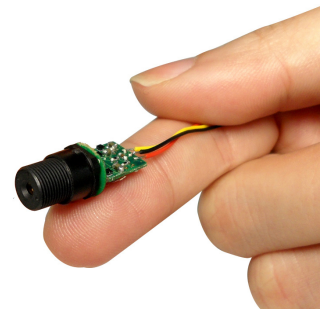
Specification

unit : mm (±0.5)

Model	MO-B5609-3D	MO-B5609-4F
Video system	NTSC / PAL	
Number of effective pixels	728(H) x 488(V) (NTSC & PAL)	
Image sensor	1/3" CCIQ III Color Camera	
Resolution(TV Lines)	480 TV Lines	
S/N Ratio	46.4 dB	
Max Dynamic Range	63.7 [dB]	
Sensor scan mode	progressive scan	
Minimum illumination	0.05Lux /F 1.2 20IRE	
Frame Rate	60 field/sec(NTSC), 50 field/sec(PAL) CVBS	
Sensitivity	13.8 [V/Lux.sec]	
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	
Built-in Lens	3.9mm/ F2.8	4.0mm/ F2.0
Storage temperature	-30 to 60 Degree C	
Working temperature	-10 to 45 Degree C	
Power source	Camera input: DC 3.3~5V	
Power current	80 mA(max)-DC12V	
Dimension (mm)	Ø 8.8 x 16.2 mm	Ø 8.8 x 21.7 mm



MO-B5609-3D



MO-B5609-4F

Other information

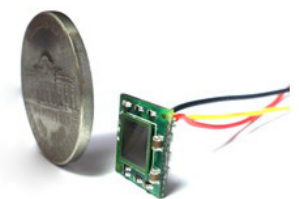
MODEL	Built-in Lens	MICROPHONE
MO-B5609-3D	3.9mm/F2.8	W/O MIC.
MO-B5609-3T	3.1mm/F3.4	
MO-B5609-4T	3.9mm/F3.9	
MO-B5609-2V	2.8mm/F3.9	
MO-B5609-4D	4.8mm/F4.5	
MO-B5609-5F	5.0mm/F3.5	
MO-B5609-6F	6.38m/F4.4	W/ MIC.
MO-B5609A-3D	3.9mm/F2.8	
MO-B5609A-3T	3.1mm/F4.5	
MO-B5609A-4T	3.9mm/F3.9	
MO-B5609A-2V	2.8mm/F3.9	
MO-B5609A-4D	4.8mm/F4.5	
MO-B5609A-5F	5.0mm/F3.5	
MO-B5609A-6F	6.38mm/F4.4	

Other information

MO-B5610

- 1/3" CCIQ III
- Ultra slim :2.6mm ONLY

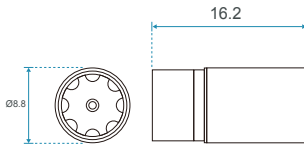
1/3" Color CCIQ III Camera
Pixel : 728 x 488 (NTSC / PAL)
480 TV Lines



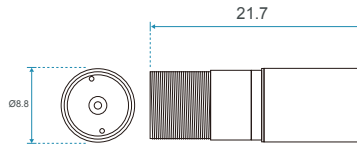
Ultra Slim

Body Type

MO-B5909-3D



MO-B5909-4F



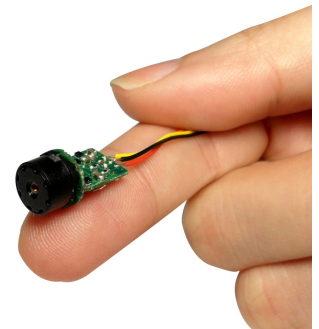
unit : mm (±0.5)

Feature

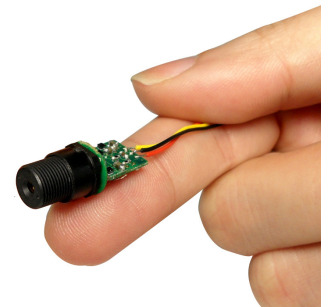
- High Sensitivity!
- High Performance.
- Memory size UP TO 16 K
- 550 TV lines
- Compact size

Specification

Model	MO-B5909-3D	MO-B5909-4F
Video system	EIA / CCIR	
Number of effective pixels	728(H) x 488(V) (EIA & CCIR)	
Image sensor	1/3" CCIQ III B/W Camera	
Resolution(TV Lines)	550 TV Lines	
S/N Ratio	46.4 dB	
Max Dynamic Range	63.7 [dB]	
Sensor scan mode	progressive scan	
Minimum illumination	0.05Lux /F 1.2 20IRE	
Frame Rate	60 field/sec(EIA), 50 field/sec(CCIR) CVBS	
Sensitivity	13.8 [V/Lux.sec]	
Horizontal sync frequency	EIA -15.734kHz, CCIR - 15.625kHz	
Vertical sync frequency	EIA - 60Hz, CCIR - 50Hz	
Camera consumption	0.45	
Video output	1Vp-p , 75ohm composite	
Built-in Lens	3.9mm/ F2.8	4.0mm/ F2.0
Storage temperature	-30 to 60 Degree C	
Working temperature	-10 to 45 Degree C	
Power source	Camera input: DC 3.3~5V	
Power current	80 mA(max)-DC12V	
Dimension (mm)	Ø 8.8 x 16.2 mm	Ø 8.8 x 21.7 mm



MO-B5909-3D



MO-B5909-4F

Other information

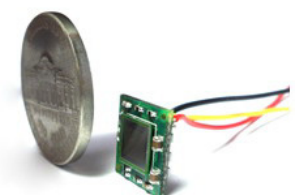
MODEL	Built-in Lens	MICROPHONE
MO-B5909-3D	3.9mm/F2.8	W/O MIC.
MO-B5909-3T	3.1mm/F3.4	
MO-B5909-4T	3.9mm/F3.9	
MO-B5909-2V	2.8mm/F3.9	
MO-B5909-4D	4.8mm/F4.5	
MO-B5909-5F	5.0mm/F3.5	
MO-B5909-6F	6.38mm/F4.4	W/ MIC.
MO-B5909A-3D	3.9mm/F2.8	
MO-B5909A-3T	3.1mm/F4.5	
MO-B5909A-4T	3.9mm/F3.9	
MO-B5909A-2V	2.8mm/F3.9	
MO-B5909A-4D	4.8mm/F4.5	
MO-B5909A-5F	5.0mm/F3.5	
MO-B5909A-6F	6.38mm/F4.4	

Other information

MO-B5910

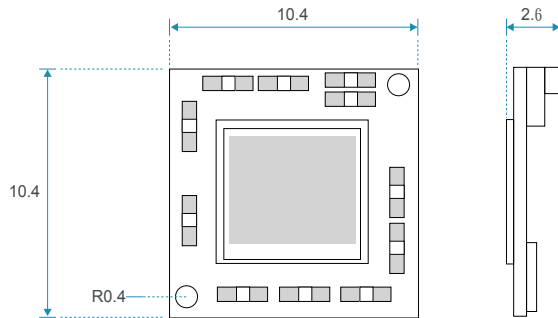
- 1/3" CCIQ III
- Ultra slim :2.6mm ONLY

1/3" B/W CCIQ III Camera
Pixel : 728 x 488 (EIA / CCIR)
550 TV Lines



Ultra Slim

Board Type



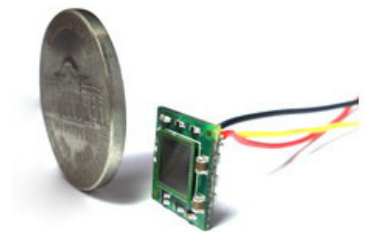
Feature

- High Sensitivity!
- High Performance.
- 1/3" CCIQ III Color
- 728 x 488 Pixel
- Compact size

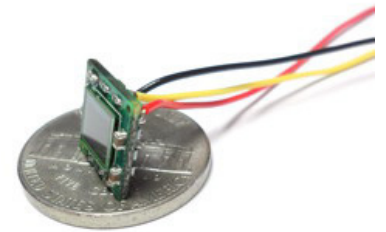
unit : mm (±0.2)

Specification

Model	MO-B5610
Video system	NTSC / PAL
Number of effective pixels	728 x 488 (NTSC & PAL)
Image sensor	1/3" CCIQ III Color Camera
Resolution(TV Lines)	480 TV Lines
S/N Ratio	46.4 dB
Dynamic range	63.7 [dB]
Sensor scan mode	progressive scan
Minimum illumination	0.05Lux /F 1.2 20IRE
Frame Rate	60 Field/sec(NTSC) , 50 Field/sec(PAL)
Sensitivity	13.8 V/Lux.sec
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
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Power source	Camera input: DC 3.3~5V
Power current	80 mA(max)
Dimension (mm)	10.4 x 10.4 mm ±0.2mm



Ultra Slim



MO-B5610

Other information

MODEL	Built-in Lens	MICROPHONE
MO-B5610-3T	3.1mm/F3.4	W/O MIC.
MO-B5610-4D	4.8mm/F4.5	W/O MIC.
MO-B5610-5F	5.0mm/F3.5	W/O MIC.
MO-B5610A-3T	3.1mm/F3.4	W/ MIC.
MO-B5610A-4D	4.8mm/F4.5	W/ MIC.
MO-B5610A-5F	5.0mm/F3.5	W/ MIC.

note:

MO-B5610A A: W/MIC.

Other information

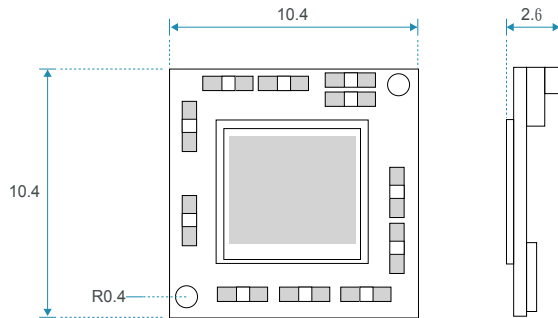
MO-S5610

- 1/3" CCIQ III
- Ultra slim :2.3mm ONLY

1/3" Color CCIQ II Camera
Pixel : 728 x 488 (NTSC / PAL)
480 TV Lines



Board Type



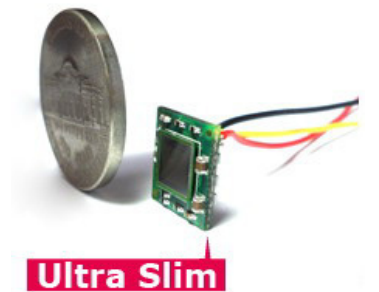
Feature

- High Sensitivity!
- High Performance.
- 1/3" CCIQ III Color
- 728 x 488 Pixel
- Compact size

unit : mm (±0.2)

Specification

Model	MO-B5910
Video system	NTSC / PAL
Number of effective pixels	728 x 488 (NTSC & PAL)
Image sensor	1/3" CCIQ III B/W Camera
Resolution(TV Lines)	550 TV Lines
S/N Ratio	46.4 dB
Dynamic range	63.7 [dB]
Sensor scan mode	progressive scan
Minimum illumination	0.05Lux /F 1.2 20IRE
Frame Rate	60 Field/sec(NTSC) , 50 Field/sec(PAL)
Sensitivity	13.8 V/Lux.sec
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
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Power source	Camera input: DC 3.3~5V
Power current	80 mA(max)
Dimension (mm)	10.4 x 10.4 mm ±0.2mm



MO-B5910

Other information

MODEL	Built-in Lens	MICROPHONE
MO-B5910-3T	3.1mm/F3.4	W/O MIC.
MO-B5910-4D	4.8mm/F4.5	W/O MIC.
MO-B5910-5F	5.0mm/F3.5	W/O MIC.
MO-B5910A-3T	3.1mm/F3.4	W/ MIC.
MO-B5910A-4D	4.8mm/F4.5	W/ MIC.
MO-B5910A-5F	5.0mm/F3.5	W/ MIC.

note:
MO-B5910A A: W/MIC.

Other information

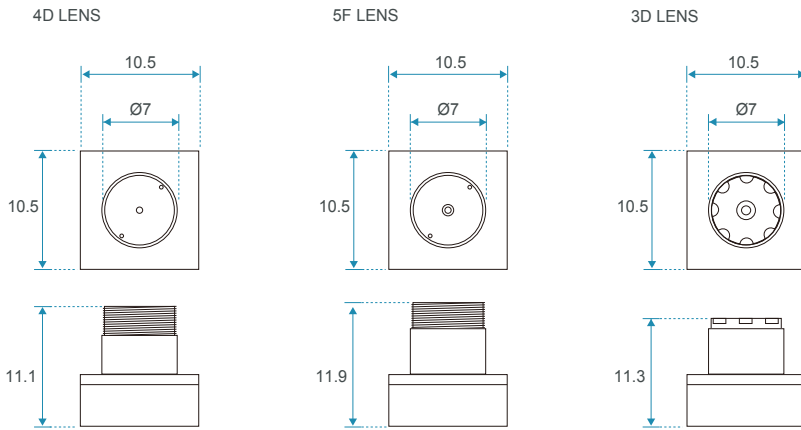
MO-S5610

- 1/3" CCIQ III
- Ultra slim :2.3mm ONLY

1/3" Color CCIQ II Camera
Pixel : 728 x 488 (NTSC / PAL)
480 TV Lines



Body Type



unit : mm (±0.2)

Feature

- High Sensitivity!
- High Performance.
- 1/3" CCIQ III Color
- 728 x 488 Pixel
- Compact size

Specification

Model	MO-S5910
Video system	EIA / CCIR
Number of effective pixels	728 x 488 (EIA & CCIR)
Image sensor	1/3" CCIQ III B/W Camera
Resolution(TV Lines)	550 TV Lines
S/N Ratio	46.4 dB
Dynamic range	63.7 [dB]
Sensor scan mode	progressive scan
Minimum illumination	0.05Lux /F 1.2 20IRE
Frame Rate	60 Field/sec(EIA) , 50 Field/sec(CCIR)
Sensitivity	13.8 V/Lux.sec
Horizontal sync frequency	EIA -15.734kHz , CCIR - 15.625kHz
Vertical sync frequency	EIA - 60Hz , CCIR - 50Hz
Camera consumption	0.45
Video output	1Vp-p , 75ohm composite
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Power source	Camera input: DC 5~12V
Power current	80 mA(max)-DC12V
Dimension (mm)	10.5 x 10.5 mm ±0.2mm



MO-S5910-5F



MO-S5910-4D



MO-S5910-3D

Other information

MODEL	Built-in Lens	MICROPHONE
MO-S5910-3T	3.1mm/F3.4	W/O MIC.
MO-S5910-4D	4.8mm/F4.5	W/O MIC.
MO-S5910-5F	5.0mm/F3.5	W/O MIC.
MO-S5910A-3T	3.1mm/F3.4	W/ MIC.
MO-S5910A-4D	4.8mm/F4.5	W/ MIC.
MO-S5910A-5F	5.0mm/F3.5	W/ MIC.

note:

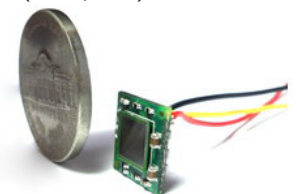
MO-S5910A ▲ ▲: W/MIC.

Other information

MO-B5610

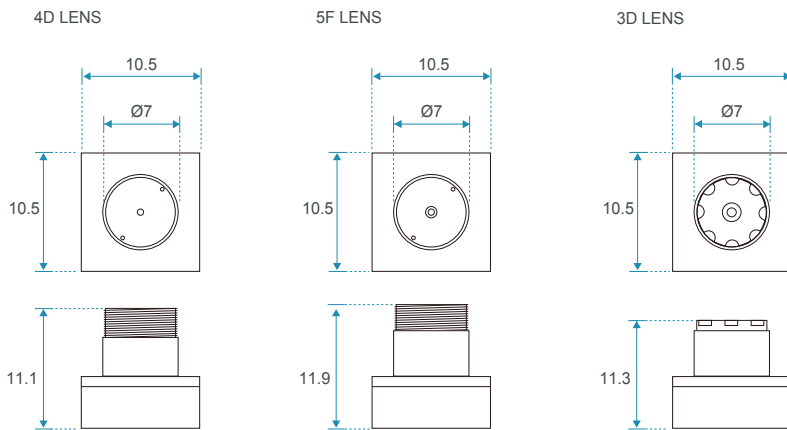
- 1/3" CCIQ III
- Ultra slim :2.3mm ONLY

1/3" Color CCIQ II Camera
Pixel : 728 x 488 (NTSC / PAL)
480 TV Lines



Ultra Slim

Body Type



Feature

- High Sensitivity!
- High Performance.
- 1/3" CCIQ III Color
- 728 x 488 Pixel
- Compact size

unit : mm (±0.2)

Specification

Model	MO-S5610
Video system	NTSC / PAL
Number of effective pixels	728 x 488 (NTSC & PAL)
Image sensor	1/3" CCIQ III Color Camera
Resolution(TV Lines)	480 TV Lines
S/N Ratio	46.4 dB
Dynamic range	63.7 [dB]
Sensor scan mode	progressive scan
Minimum illumination	0.05Lux /F 1.2 20IRE
Frame Rate	60 Field/sec(NTSC) , 50 Field/sec(PAL)
Sensitivity	13.8 V/Lux.sec
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
Storage temperature	-30 to 60 Degree C
Working temperature	-10 to 45 Degree C
Power source	Camera input: DC 5~12V
Power current	80 mA(max)-DC12V
Dimension (mm)	10.5 x 10.5 mm ±0.2mm



MO-S5610-5F



MO-S5610-4D



MO-S5610-3D

Other information

MODEL	Built-in Lens	MICROPHONE
MO-S5610-3T	3.1mm/F3.4	W/O MIC.
MO-S5610-4D	4.8mm/F4.5	W/O MIC.
MO-S5610-5F	5.0mm/F3.5	W/O MIC.
MO-S5610A-3T	3.1mm/F3.4	W/ MIC.
MO-S5610A-4D	4.8mm/F4.5	W/ MIC.
MO-S5610A-5F	5.0mm/F3.5	W/ MIC.

note:

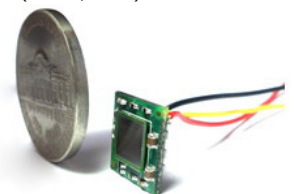
MO-S5610A ▲ ▲: W/MIC.

Other information

MO-B5610

- 1/3" CCIQ III
- Ultra slim :2.3mm ONLY

1/3" Color CCIQ II Camera
Pixel : 728 x 488 (NTSC / PAL)
480 TV Lines



Ultra Slim