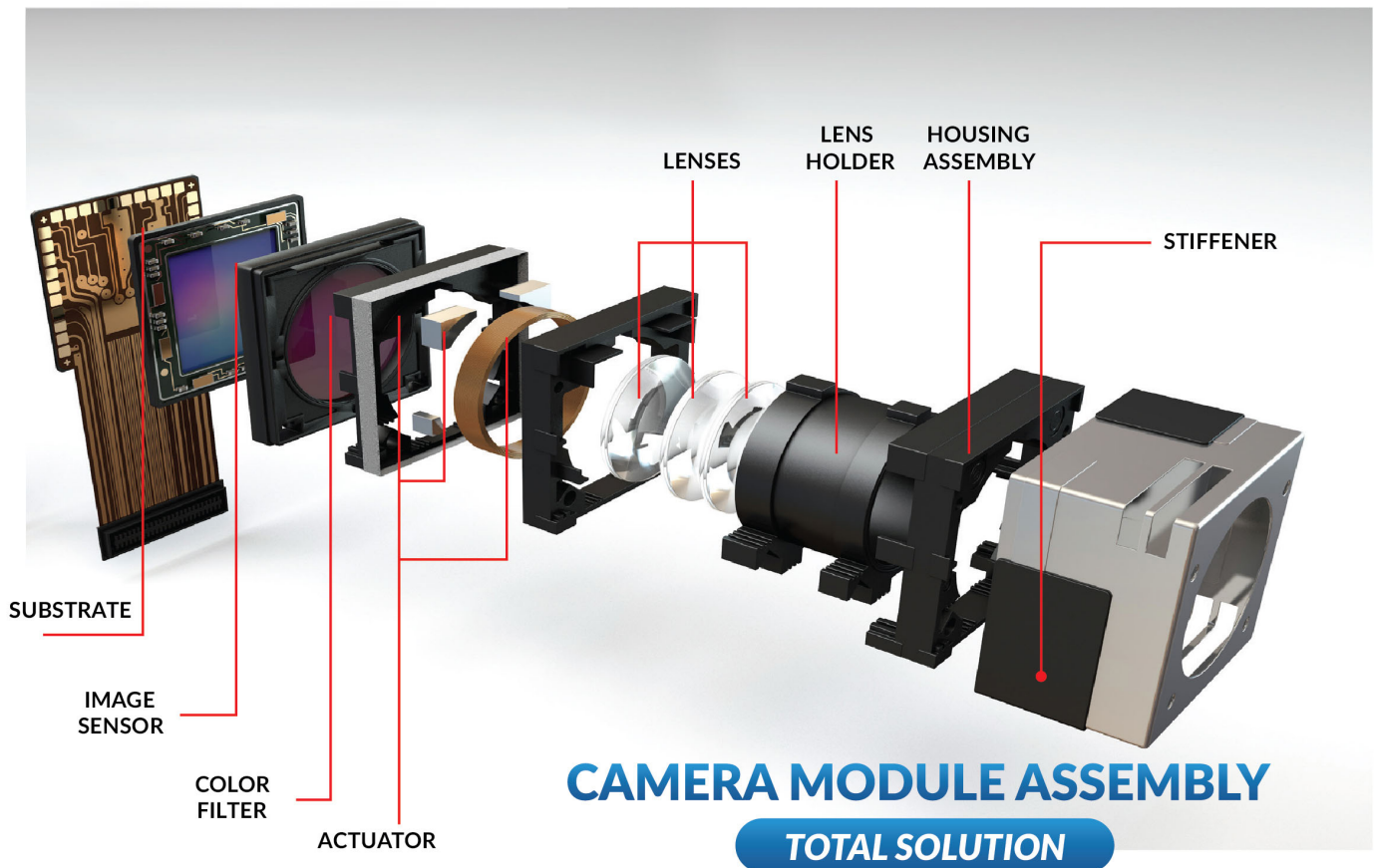




MICRO STAR CAMERAS CATALOG

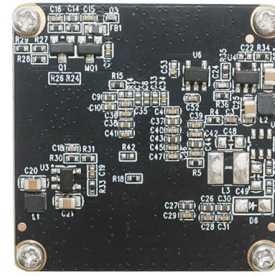


MSR-USB-HM3-01100-F72

1.3MP Fixed Focus USB 2.0 Camera Module



Front View



Back View

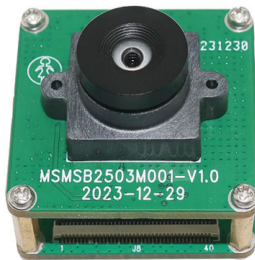
MSR-USB-HM3-01100-F72 is a 1.3MP Fixed Focus USB camera module based on 1/3.55" SoC image sensor. It delivers 1340 x 1020 resolution at 3.0um ultra large pixels plus HDR algorithm ensures high quality images in high brightness areas and shadows. The camera has high performance in backlighting and scenes under strong light sources (sunlight, lamps or reflections, etc.), with wide dynamic range up to 120dB. This camera module is ideal solution for vehicle-road collaboration, industrial inspection, industrial equipment, media equipment, advertising machines, outdoor/indoor scenes requiring wide dynamic range.

Key Features

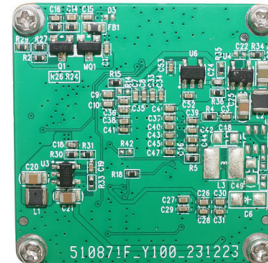
- 1.3 Megapixels 1340 x 1020 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-HM3-03100-F95

3MP HDR M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-HM3-03100-F95 is a 3MP HDR Fixed Focus USB camera module based on 1/2.44" SoC image sensor. It delivers 1920 x 1536 resolution at 3.0um ultra large pixels plus HDR algorithm ensures high quality images in high brightness areas and shadows. The camera has high performance in backlighting and scenes under strong light sources (sunlight, lamps or reflections, etc.), with wide dynamic range up to 140dB. This camera module is ideal solution for vehicle-road collaboration, industrial inspection, industrial equipment, all-in-one machines, display stands, media equipment, advertising machines, outdoor/indoor scenes requiring wide dynamic range.

Key Features

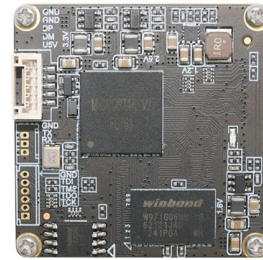
- 3 Megapixels 1920 x 1536 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-05100-F118

5MP 2K M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-05100-F118 is a 5MP Fixed Focus USB camera module based on 1/2.8" image sensor. It delivers 2592 x 1944 resolution at 2.0um large pixels with 2K high quality images and 3D noise reduction function. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

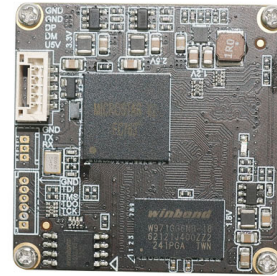
- 5 Megapixels 2592 x 1944 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG / YUV2 output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-08100-F118

8MP 4K M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

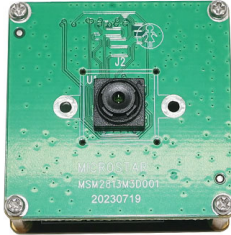
MSR-USB-M2-08100-F118 is an 8MP Fixed Focus USB camera module based on 1/2.8" image sensor. It delivers 3840 x 2160 resolution at 1.45um pixels with 4K high quality images and 3D noise reduction function. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

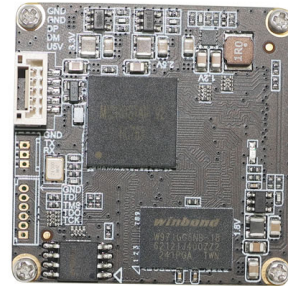
- 8 Megapixels 3840 x 2160 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG / YUV2 output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-13100-F85

13MP 4K Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-13100-F85 is a 13MP Fixed Focus USB camera module based on 1/2.74" image sensor. It delivers 4224 x 3136 resolution at 1.25um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

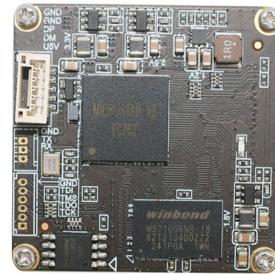
- 13 Megapixels 4224 x 3136 array at 15 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-48100-F114

48MP M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-48100-F114 is a 48MP Fixed Focus USB camera module based on 1/2.0" image sensor. It delivers 8000 x 6000 resolution at 0.80um pixels with 4K high quality images and 3D noise reduction function. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

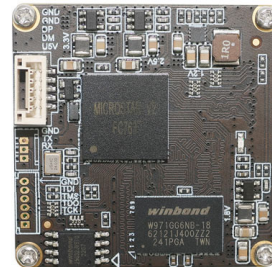
- 48 Megapixels 8000 x 6000 array at 5 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-50100-A100

50MP Auto Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-50100-A100 is a 50MP Auto Focus USB camera module based on 1/1.56" image sensor. This AF camera enables PDAF and CDAF, supporting the optional digital zoom. It delivers 8192 x 6144 resolution at 1.00um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

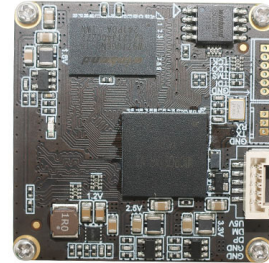
Key Features

- 50 Megapixels 8192 x 6144 array at 5 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M2-50200-A85 50MP Auto Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-50200-A85 is a 50MP Auto Focus USB camera module based on 1/1.56" image sensor. This AF camera enables PDAF and CDAF, supporting the optional digital zoom. It delivers 8192 x 6144 resolution at 1.00um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

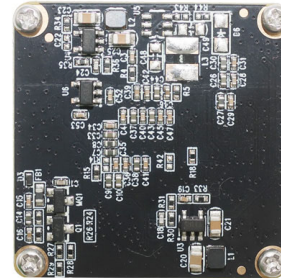
- 50 Megapixels 8192 x 6144 array at 5 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M3-08100-F118

8MP 4K M12 Fixed Focus USB 2.0 Camera Module



Front View



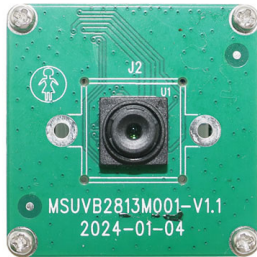
Back View

MSR-USB-M3-08100-F118 is an 8MP Fixed Focus USB camera module based on 1/2.8" image sensor. It delivers 3840 x 2160 resolution at 1.45um pixels with 4K high quality images and 3D noise reduction function. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

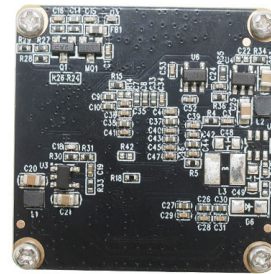
Key Features

- 8 Megapixels 3840 x 2160 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG / YUV2 output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M3-13100-F85 13MP 4K Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M2-13100-F85 is a 13MP Fixed Focus USB camera module based on 1/2.74" image sensor. It delivers 4224 x 3136 resolution at 1.25um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

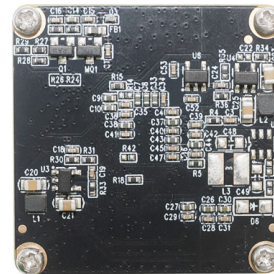
- 13 Megapixels 4224 x 3136 array at 15 FPS
- High speed USB 2.0 Plug and Play
- MJPG output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M3-13200-F117

13MP 4K Fixed Focus USB 2.0 Camera Module



Front View



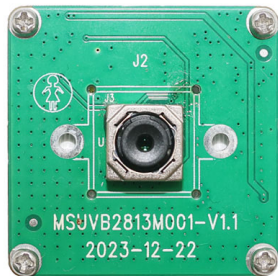
Back View

MSR-USB-M3-13200-F117 is a 13MP Fixed Focus USB camera module based on 1/2.74" image sensor. It delivers 4224 x 3136 resolution at 1.25um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

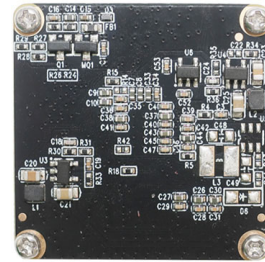
Key Features

- 13 Megapixels 4224 x 3136 array at 15 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-M3-13300-A85 13MP 4K Auto Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-M3-13300-A85 is a 13MP Auto Focus USB camera module based on 1/2.74" image sensor. This AF camera enables PDAF and CDAF, supporting the optional digital zoom. It delivers 4224 x 3136 resolution at 1.25um pixels with 4K high quality images and 3D noise reduction function. The ultra small size lens enables captures wide view angle. This camera module is ideal solution for video conferencing, live broadcast, industrial equipment, media equipment, smart home, robotics, self-service equipment, advertising machines, all-in-one machines, display stands, computer cameras.

Key Features

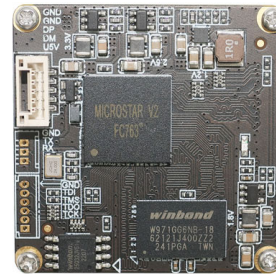
- 13 Megapixels 4224 x 3136 array at 15 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 32x32 mm or 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-SM2-04100-F42

4MP M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-SM2-04100-F42 is a 4MP Low Light Fixed Focus USB camera module based on 1/1.79" image sensor. It delivers 2688 x 1520 resolution at 2.90um ultra large pixels plus DSP 3D noise reduction algorithm enables high detailed images in extremely low light illumination conditions, providing a clearer, smoother, and more natural appearance. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for vehicle-road collaboration, industrial inspection, industrial equipment, all-in-one machines, display stands, media equipment, advertising machines, outdoor/indoor security camera.

Key Features

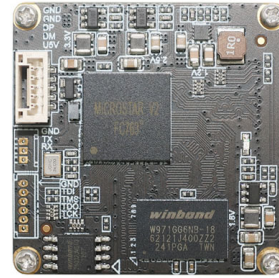
- 4 Megapixels 2688 x 1520 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG / YUV2 output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-USB-SM2-08100-F42

8MP 4K M12 Fixed Focus USB 2.0 Camera Module



Front View



Back View

MSR-USB-SM2-08100-F42 is an 8MP Low Light Fixed Focus USB camera module based on 1/1.8" image sensor. It delivers 3840 x 2160 resolution at 2.00um ultra large pixels plus DSP 3D noise reduction algorithm enables high detailed images in extremely low light illumination conditions, providing a clearer, smoother, and more natural appearance. The S-mount (M12) lens holder enables customers to choose different lens as per varies applications. This camera module is ideal solution for vehicle-road collaboration, industrial inspection, industrial equipment, all-in-one machines, display stands, media equipment, advertising machines, outdoor/indoor security camera.

Key Features

- 8 Megapixels 3840 x 2160 array at 30 FPS
- High speed USB 2.0 Plug and Play
- MJPEG output format
- Low power consumption
- Compact size 38x38 mm
- UVC compliant to Windows, Linux, OS with UVC UAC driver
- USB OTG (On-The-Go) Support

MSR-CA-WV13M-XK-A1 V1.0

13MP Sony IMX258 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-CA-WV13M-XK-A1 V1.0
Resolution	13MP
Image Sensor	IMX258
Sensor Type	1/3.06"
Pixel Size	1.12 um x 1.12 um
EFL	2.35 mm
F.NO	2.20
Pixel	4224 x 3192
View Angle	117.0°(DFOV) 97.0°(HFOV) 79.3°(VFOV)
Lens Dimensions	8.50 x 8.50 x 6.95 mm
Module Size	112.50 x 11.50 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-20°C to +70°C
Mating Connector	AXE530127D

MSR-CA-WX12M-XK-A1 V1.0

12MP Sony IMX378 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-CA-WX12M-XK-A1 V1.0
Resolution	12MP
Image Sensor	IMX378
Sensor Type	1/2.3"
Pixel Size	1.55 um x 1.55 um
EFL	6.28 mm
F.NO	2.20
Pixel	3840 x 2160
View Angle	128.0°(DFOV) 111.0°(HFOV) 92.1°(VFOV)
Lens Dimensions	10.80 x 10.80 x 7.10 mm
Module Size	112.50 x 12.00 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-20°C to +70°C
Mating Connector	AXE530127D

MSR-CICOE-DHK800W-A1 V1.1

8.46MP Sony IMX415 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-CICOE-DHK800W-A1 V1.1
Resolution	8.46MP
Image Sensor	IMX415
Sensor Type	1/2.8"
Pixel Size	1.45 um x 1.45 um
EFL	2.70 mm
F.NO	2.80
Pixel	3840 x 2160
View Angle	105.0°(DFOV) 92.8°(HFOV) 60.3°(VFOV)
Lens Dimensions	15.30 x 15.30 x 23.40 mm
Module Size	119.30 x 22.00 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-30°C to +85°C
Mating Connector	BAF04-30083-0500

MSR-FIC13V13F11-63 V1.0

13MP OmniVision OV13870 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-FIC13V13F11-63 V1.0
Resolution	13MP
Image Sensor	OV13870
Sensor Type	1/2.74"
Pixel Size	1.25 um x 1.25 um
EFL	2.35 mm
F.NO	2.20
Pixel	4224 x 3136
View Angle	117.2°(DFOV) 97.0°(HFOV) 79.3°(VFOV)
Lens Dimensions	8.50 x 8.50 x 7.00 mm
Module Size	62.00 x 9.20 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-30°C to +85°C
Mating Connector	BAF04-30083-0500

MSR-FIC13VB12F-C2-L67 V1.0

13MP OmniVision OV13870 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-FIC13VB12F-C2-L67 V1.0
Resolution	13MP
Image Sensor	OV13870
Sensor Type	1/2.74"
Pixel Size	1.25 um x 1.25 um
EFL	3.43 mm
F.NO	2.00
Pixel	4000 x 3000
View Angle	85.0°(DFOV) 72.6°(HFOV) 57.3°(VFOV)
Lens Dimensions	8.50 x 8.50 x 5.45 mm
Module Size	67.00 x 9.00 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-30°C to +85°C
Mating Connector	BAF04-30083-0500

MSR-FIC20S12F-C10-L62 V1.1

20MP Sony IMX350 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-FIC20S12F-C10-L62 V1.1
Resolution	20MP
Image Sensor	IMX350
Sensor Type	1/2.78"
Pixel Size	1.00 um x 1.00 um
EFL	5.60 mm
F.NO	2.20
Pixel	5184 x 3880
View Angle	129.0°(DFOV) 104.1°(HFOV) 83.5°(VFOV)
Lens Dimensions	8.50 x 8.50 x 5.45 mm
Module Size	67.00 x 11.50 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-20°C to +70°C
Mating Connector	BAF04-30083-0500

MSR-FIC50A12F-C10-L35 V1.1

50MP Samsung S5KJN1SQ03 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-FIC50A12F-C10-L35 V1.1
Resolution	50MP
Image Sensor	S5KJN1SQ03
Sensor Type	1/2.76"
Pixel Size	0.64 um x 0.64 um
EFL	5.60 mm
F.NO	2.20
Pixel	8160 x 6144
View Angle	129.0°(DFOV) 104.1°(HFOV) 83.7°(VFOV)
Lens Dimensions	8.50 x 8.50 x 6.45 mm
Module Size	35.00 x 9.00 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-20°C to +85°C
Mating Connector	BAF04-30083-0500

MSR-FIC50A12F-C10-L67 V1.1

50MP Samsung S5KJN1SQ03 MIPI Interface Fixed Focus Camera Module



Front View



Back View

Specifications

Camera Module No.	MSR-FIC50A12F-C10-L67 V1.1
Resolution	50MP
Image Sensor	S5KJN1SQ03
Sensor Type	1/2.76"
Pixel Size	0.64 um x 0.64 um
EFL	6.10 mm
F.NO	2.20
Pixel	8160 x 6144
View Angle	117.2°(DFOV) 97.0°(HFOV) 79.3°(VFOV)
Lens Dimensions	8.50 x 8.50 x 7.00 mm
Module Size	67.00 x 9.00 mm
Module Type	Fixed Focus
Interface	MIPI
Auto Focus VCM Driver IC	None
Lens Type	650nm IR Cut
Operating Temperature	-20°C to +85°C
Mating Connector	BAF04-30083-0500