

## SMB Series

### Camera Board

#### Specifications

	Colour	
<b>Model no.</b>	SMB-3A	SMB-4A
<b>Sensor</b>	SHARP	
<b>Signal System</b>	PAL	
<b>CCD size</b>	1/3"	1/4"
<b>Min Illumination (Lux)</b>	1 lux	
<b>Hori. Resolution</b>	420	
<b>Voltage Input</b>	DC12V±1.0V 90mA	
<b>AGC</b>	AUTO	
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second	
<b>Video Output</b>	1 Vp-p 75 ohm composite video	
<b>Lens</b>	f = 3.6 mm	
<b>Dimension (mm)</b>	32 x 32 / 38 x 38	



#### Ordering Information

Model	Description
SMB-3A	1/3" Sharp CCD Color, 420 TV lines, 1 lux, 3.6mm lens, 32 x 32 / 38 x 38.
SMB-4A	1/4" Sharp CCD Color, 420 TV lines, 1 lux, 3.6mm lens, 32 x 32 / 38 x 38.

#### Specifications

	Colour	
<b>Model no.</b>	SMB-3AL	SMB-4AL
<b>Sensor</b>	SHARP	
<b>Signal System</b>	PAL	
<b>CCD size</b>	1/3"	1/4"
<b>Min Illumination (Lux)</b>	1 lux, 0 lux (LED Light On)	
<b>Hori. Resolution</b>	420	
<b>Voltage Input</b>	DC12V±1.0V 90mA	
<b>AGC</b>	AUTO	
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second	
<b>Video Output</b>	1 Vp-p 75 ohm composite video	
<b>Lens</b>	f = 3.6 mm	
<b>Dimension (mm)</b>	54 x 38 / 38 x 38	

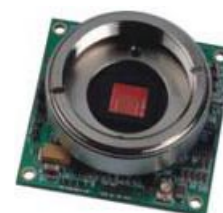


#### Ordering Information

Model	Description
SMB-3AL	1/3" Sharp CCD LED Color, 420 TV lines, 0 lux, 3.6mm lens, 54 x 38 / 38 x 38.
SMB-4AL	1/4" Sharp CCD LED Color, 420 TV lines, 0 lux, 3.6mm lens, 54 x 38 / 38 x 38.

**Specifications**

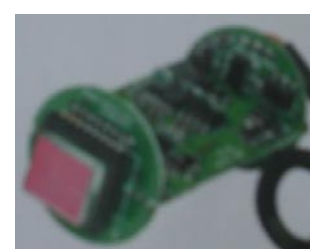
	Colour	
Model no.	SMB-3A (CS)	SMB-4A (CS)
Sensor	SHARP	
Signal System	PAL	
CCD size	1/3"	1/4"
Min Illumination (Lux)	1 lux	
Hori. Resolution	420	
Voltage Input	DC12V±1.0V 90mA	
AGC	AUTO	
Electronic Shutter	1/50 ~ 1/100000 second	
Video Output	1 Vp-p 75 ohm composite video	
Lens	CS Mounted	
Dimension (mm)	32 x 32 / 38 x 38	


**Ordering Information**

Model	Description
SMB-3A (CS)	1/3" Sharp CCD Color, 420 TV lines, 1 lux, CS Ring, 32 x 32 / 38 x 38.
SMB-4A (CS)	1/4" Sharp CCD Color, 420 TV lines, 1 lux, CS Ring, 32 x 32 / 38 x 38.

**Specifications**

	Colour	
Model no.	SMB-3AB	SMB-4AB
Sensor	SHARP	
Signal System	PAL	
CCD size	1/3"	1/4"
Min Illumination (Lux)	1 lux	
Hori. Resolution	420	
Voltage Input	DC12V±1.0V 90mA	
AGC	AUTO	
Electronic Shutter	1/50 ~ 1/100000 second	
Video Output	1 Vp-p 75 ohm composite video	
Lens	f = 3.6 mm	
Dimension (mm)	62 x 20	


**Ordering Information**

Model	Description
SMB-3AB	1/3" Sharp CCD Color, 420 TV lines, 1 lux, 3.6mm lens, 62 x 20.
SMB-4AB	1/4" Sharp CCD Color, 420 TV lines, 1 lux, 3.6mm lens, 62 x 20.

### Specifications

B/W	
Model no.	SMB-1310B
Sensor	SONY
Signal System	PAL
CCD size	1/3"
Min Illumination (Lux)	0.05 lux
Hori. Resolution	600
Voltage Input	DC12V±1.0V 90mA
AGC	AUTO
Electronic Shutter	1/50 ~ 1/100000 second
Video Output	1 Vp-p 75 ohm composite video
Lens	f = 3.6 mm
Dimension (mm)	42 x 42



### Ordering Information

Model	Description
SMB-1310B	1/3" Sony Super HAD CCD B/W, 600 TV lines, 0.05 lux, 3.6mm lens, 42 x 42.

### Specifications

B/W	
Model no.	SMB-LGB
Sensor	LG
Signal System	PAL
CCD size	1/3"
Min Illumination (Lux)	0.1 lux
Hori. Resolution	420
Voltage Input	DC12V±1.0V 90mA
AGC	AUTO
Electronic Shutter	1/50 ~ 1/100000 second
Video Output	1 Vp-p 75 ohm composite video
Lens	f = 3.6 mm
Dimension (mm)	42 x 42



### Ordering Information

Model	Description
SMB-LGB	1/3" LG CCD B/W, 420 TV lines, 0.1 lux, 3.6mm lens, 42 x 42.

### Specifications

	Colour	
<b>Model no.</b>	SMB-VF3A	SMB-VF4A
<b>Sensor</b>	SHARP	
<b>Signal System</b>	PAL	
<b>CCD size</b>	1/3"	1/4"
<b>Min Illumination (Lux)</b>	1 lux	
<b>Hori. Resolution</b>	420	
<b>Voltage Input</b>	DC12V±1.0V 90mA	
<b>AGC</b>	AUTO	
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second	
<b>Video Output</b>	1 Vp-p 75 ohm composite video	
<b>Lens</b>	Vari-focal Lens	
<b>Dimension (mm)</b>	32 x 32 / 38 x 38	



### Ordering Information

Model	Description
SMB-VF3A	1/3" Sharp CCD Color, 420 TV lines, 1 lux, Optional Vari-focal Lens, 32 x 32 / 38 x 38.
SMB-VF4A	1/4" Sharp CCD Color, 420 TV lines, 1 lux, Optional Vari-focal Lens, 32 x 32 / 38 x 38.

### Specifications

	Colour
<b>Model no.</b>	SMB-3142C
<b>Sensor</b>	SONY
<b>Signal System</b>	PAL
<b>CCD size</b>	1/3"
<b>Min Illumination (Lux)</b>	1 lux
<b>Hori. Resolution</b>	420
<b>Voltage Input</b>	DC12V±1.0V 90mA
<b>AGC</b>	AUTO
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second
<b>Video Output</b>	1 Vp-p 75 ohm composite video
<b>Lens</b>	f = 3.6 mm
<b>Dimension (mm)</b>	32 x 32



### Ordering Information

Model	Description
SMB-3142C	1/3" Sony Super HAD CCD Color, 420 TV lines, 1 lux, 3.6mm lens, 32 x 32.

**Specifications**

Colour			
<b>Model no.</b>	SMB-2163H	SMB-2163L	SMB-2163HL
<b>Sensor</b>	SONY		
<b>Signal System</b>	PAL		
<b>CCD size</b>	1/3"		
<b>Min Illumination (Lux)</b>	1 lux	0.01 lux	
<b>Hori. Resolution</b>	480	420	480
<b>Voltage Input</b>	DC12V±1.0V 90mA		
<b>AGC</b>	AUTO		
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second		
<b>Video Output</b>	1 Vp-p 75 ohm composite video		
<b>Lens</b>	f = 3.6 mm		
<b>Dimension (mm)</b>	32 x 32		


**Ordering Information**

Model	Description
SMB-2163H	1/3" Sony Super HAD CCD Color, 480 TV lines, 1 lux, 3.6mm lens, 32 x 32.
SMB-2163L	1/3" Sony Exview HAD CCD Color, 420 TV lines, 0.01 lux, 3.6mm lens, 32 x 32.
SMB-2163HL	1/3" Sony Exview HAD CCD Color, 480 TV lines, 0.01 lux, 3.6mm lens, 32 x 32.

**Specifications**

Colour	
<b>Model no.</b>	SMB-3142C (CS)
<b>Sensor</b>	SONY
<b>Signal System</b>	PAL
<b>CCD size</b>	1/3"
<b>Min Illumination (Lux)</b>	1 lux
<b>Hori. Resolution</b>	420
<b>Voltage Input</b>	DC12V±1.0V 90mA
<b>AGC</b>	AUTO
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second
<b>Video Output</b>	1 Vp-p 75 ohm composite video
<b>Lens</b>	CS Mounted
<b>Dimension (mm)</b>	32 x 32


**Ordering Information**

Model	Description
SMB-3142C (CS)	1/3" Sony Super HAD CCD Color, 420 TV lines, 1 lux, CS Ring, 32 x 32.

**Specifications**

Colour			
<b>Model no.</b>	SMB-2163H (CS)	SMB-2163L (CS)	SMB-2163HL (CS)
<b>Sensor</b>	SONY		
<b>Signal System</b>	PAL		
<b>CCD size</b>	1/3"		
<b>Min Illumination (Lux)</b>	1 lux	0.01 lux	
<b>Hori. Resolution</b>	480	420	480
<b>Voltage Input</b>	DC12V±1.0V 90mA		
<b>AGC</b>	AUTO		
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second		
<b>Video Output</b>	1 Vp-p 75 ohm composite video		
<b>Lens</b>	CS Mounted		
<b>Dimension (mm)</b>	32 x 32		


**Ordering Information**

Model	Description
SMB-2163H (CS)	1/3" Sony Super HAD CCD Color, 480 TV lines, 1 lux, CS Ring, 32 x 32.
SMB-2163L (CS)	1/3" Sony Exview HAD CCD Color, 420 TV lines, 0.01 lux, CS Ring, 32 x 32.
SMB-2163HL (CS)	1/3" Sony Exview HAD CCD Color, 480 TV lines, 0.01 lux, CS Ring, 32 x 32.

**Specifications**

Colour	
<b>Model no.</b>	SMB-VF3142
<b>Sensor</b>	SONY
<b>Signal System</b>	PAL
<b>CCD size</b>	1/3"
<b>Min Illumination (Lux)</b>	1 lux
<b>Hori. Resolution</b>	420
<b>Voltage Input</b>	DC12V±1.0V 90mA
<b>AGC</b>	AUTO
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second
<b>Video Output</b>	1 Vp-p 75 ohm composite video
<b>Lens</b>	Vari-focal Lens
<b>Dimension (mm)</b>	32 x 32


**Ordering Information**

Model	Description
SMB-VF3142C	1/3" Sony Super HAD CCD Color, 420 TV lines, 1 lux, Optional Vari-focal Lens, 32 x 32.

### Specifications

Colour			
<b>Model no.</b>	SMB-VF2163H	SMB-VF2163L	SMB-VF2163HL
<b>Sensor</b>	SONY		
<b>Signal System</b>	PAL		
<b>CCD size</b>	1/3"		
<b>Min Illumination (Lux)</b>	1 lux	0.01 lux	
<b>Hori. Resolution</b>	480	420	480
<b>Voltage Input</b>	DC12V±1.0V 90mA		
<b>AGC</b>	AUTO		
<b>Electronic Shutter</b>	1/50 ~ 1/100000 second		
<b>Video Output</b>	1 Vp-p 75 ohm composite video		
<b>Lens</b>	Vari-focal Lens		
<b>Dimension (mm)</b>	32 x 32		



### Ordering Information

Model	Description
SMB-VF2163H	1/3" Sony Super HAD CCD Color, 480 TV lines, 1 lux, Optional Vari-focal Lens, 32 x 32.
SMB-VF2163L	1/3" Sony Exview HAD CCD Color, 420 TV lines, 0.01 lux, Optional Vari-focal Lens, 32 x 32.
SMB-VF2163HL	1/3" Sony Exview HAD CCD Color, 480 TV lines, 0.01 lux, Optional Vari-focal Lens, 32 x 32.