



Analog high-definition camera

CA51A

Specification_(v1.0)



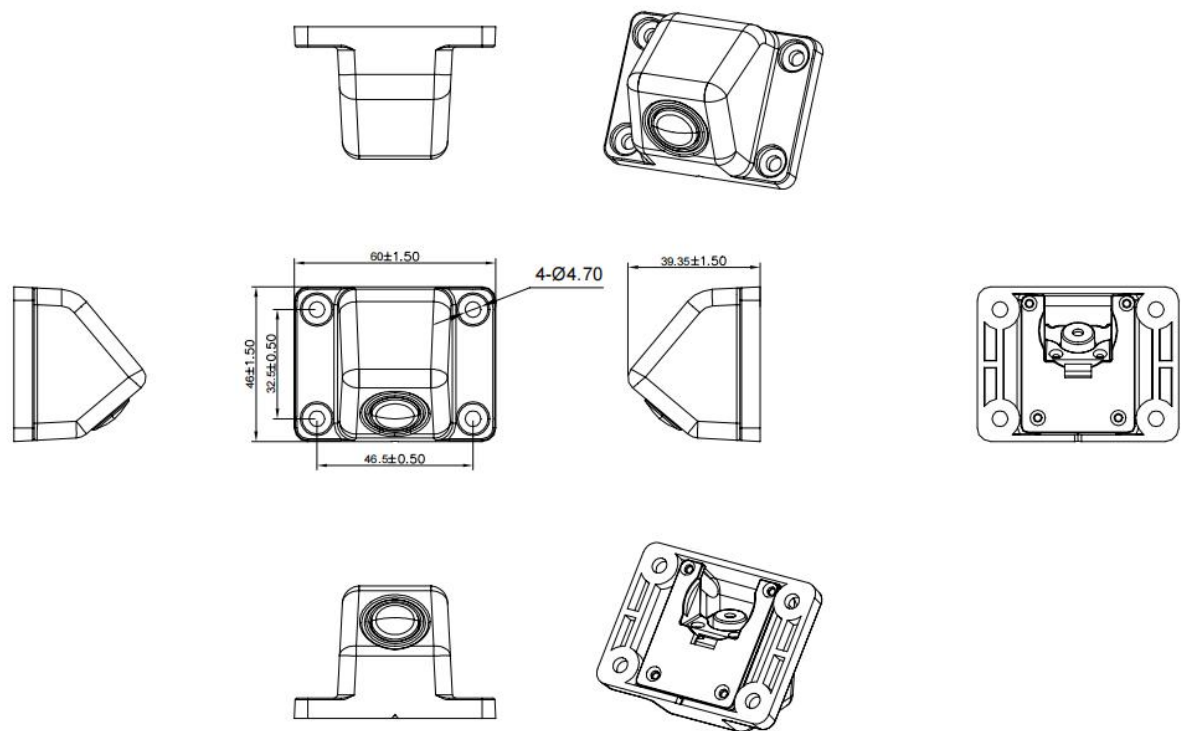
- 1/2.8" 2MP (WDR) CMOS sensor
- Clear and detailed images, max resolution 1920×1080
- Supports digital wide dynamic range (WDR) for complex lighting
- IP69K protection rating for harsh outdoor environments
- Multiple lens options to suit various monitoring scenarios
- Auto electronic shutter adapts to changing lighting conditions

Specification

Name	Parameter
Product Model	CA51A
Product Type	SVT-A6120MF
Sensor Type	1/2.8 " 2M pixel CMOS
Resolution	1920H*1080V
Lens/FOV (Deviation±5°)	1.8mm /HFOV: 185° VFOV: 100° DFOV: 210.3°
	1.9mm /HFOV: 150° VFOV: 90° DFOV: 174.9°
	2.6mm /HFOV: 127° VFOV: 66° DFOV: 143.1°
	6mm /HFOV: 109° VFOV: 59.5° DFOV: 124.2°
Video Signal System	PAL/ NTSC
Signal to Noise Ratio (S/N)	≥ 50dB
Day Night Conversion Mode	Color (without IR)
Electronic Shutter	1/25 second to 1/25000 second (automatic shutter)
Protection Rating	IP69K
Scanning System	Progressive scanning
Synchronization	Internal synchronization
WDR	Supported
White balance	ATW
Automatic Gain	Supported
3D Noise Reduction	Supported

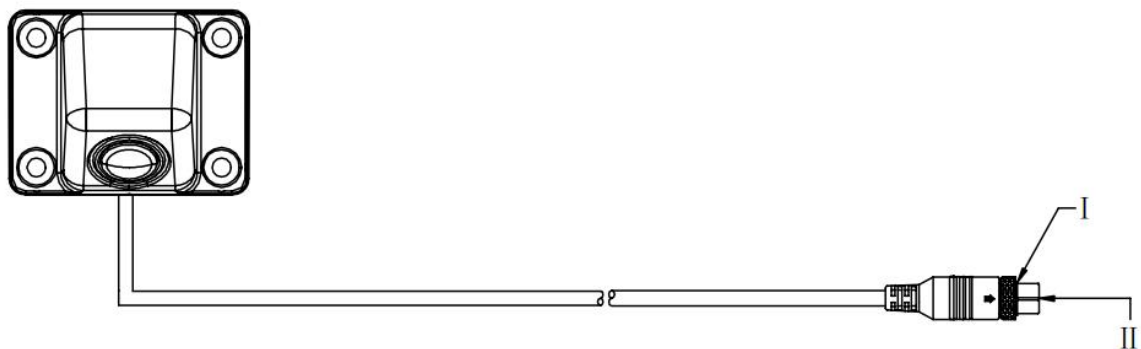
Backlight Compensation	Supported
Video Output	1.0Vp-composite video output, 75 ohms
Voltage	DC 9-16V
Power Consumption	≤1W±5%
Operation Temperature	-40°C ~ 70°C(-40°F ~ 158°F)
Operation Humidity	≤ 95% (No condensation)
Storage Temperature	-40°C ~ 85°C(-40°F~185°F)
Product Dimension	L60mm*W46mm*H39.35mm (L2.36" × W1.81" × H1.55")
Package Dimension	L90mm*W90mm*H75mm (L3.54" × W3.54" × H2.95")
Net Weight	82g (0.18lb)
Gross Weight	170g (0.37lb)

Dimension Diagram

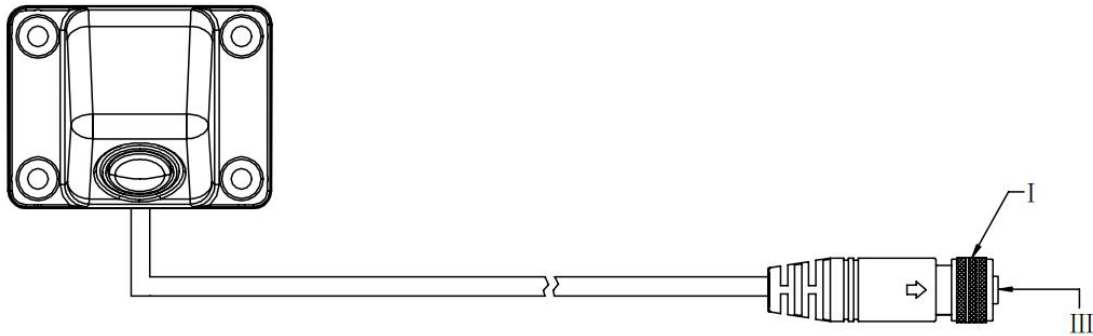


Product dimension diagram

Cable Details



Standard four core aviation cable - default 0.5 meters (tail length)



M12 waterproof connector--default 0.5 meters (tail length)

No.	Name	Description		
I	Red waterproof	Red 8*1.5*5 rubber ring		
II	Video Outputs		No.	Name
			1	12VDC (+)
			2	12VGND (-)
			3	N/A
			4	AHD VIDEO
III	Video Outputs		No.	Name
			1	12VDC (+)
			2	12VGND (-)
			3	N/A
			4	AHD VIDEO