



Analog high-definition camera

CA51D

Specification_(v1.0)



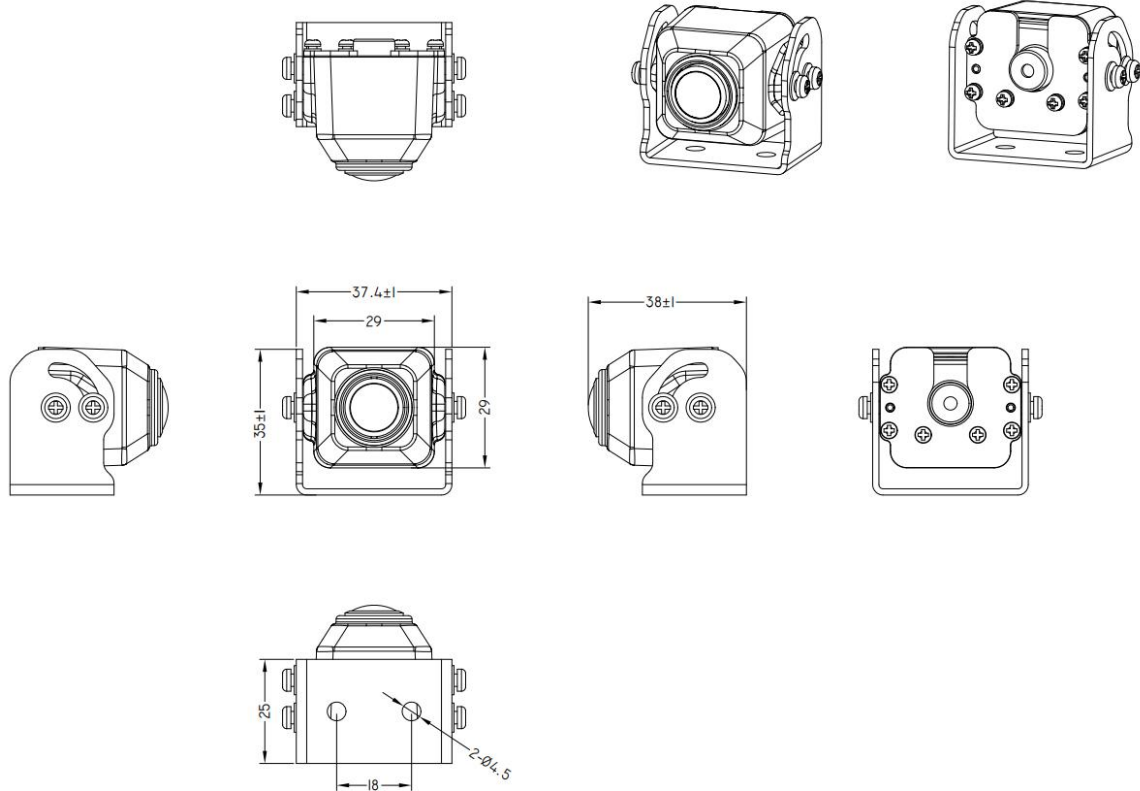
- 1/2.8" 2MP (WDR) CMOS sensor
- Clear and detailed images, max resolution 1920×1080
- Supports digital wide dynamic range (WDR) for complex lighting
- IP69K protection rating for harsh outdoor environments
- Compact structure, easy to install, and meets vehicle seismic design requirements.
- Auto electronic shutter adapts to changing lighting conditions

Specification

Name	Parameter
Product Model	CA51D
Product Type	SVT-A6120MJ
Sensor Type	1/3 " 2M pixel CMOS
Resolution	1920H*1080V
Lens/FOV (Deviation±5°)	1.8mm /HFOV: 184° VFOV: 99° DFOV: 210.3°
	1.9mm /HFOV: 150° VFOV: 90° DFOV: 174.9°
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

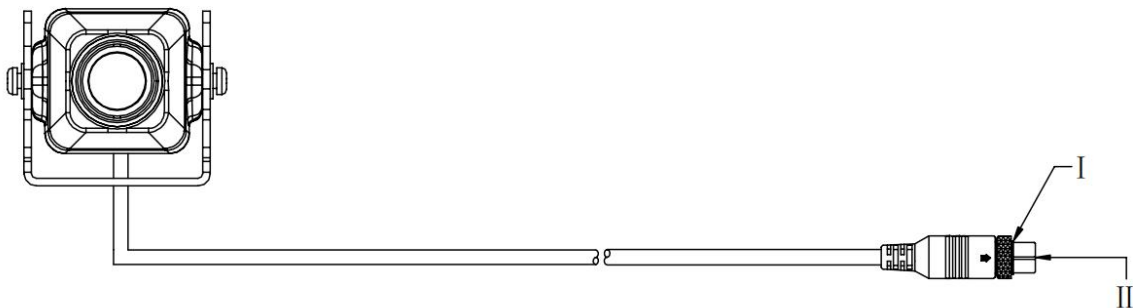
Power Consumption	≤1W±5%
Operation Temperature	-40°C ~ 70°C(-40°F ~ 158°F)
Operation Humidity	≤ 95% (No condensation)
Storage Temperature	-40°C ~ 85°C(-40°F~185°F)
Product Dimension	L37.4mm*W38mm*H35mm (L1.47" × W1.50" × H1.38")
Package Dimension	L90mm*W90mm*H75mm (L3.54" × W3.54" × H2.95")
Net Weight	92g(0.20lb)
Gross Weight	125g(0.27lb)

Dimension Diagram

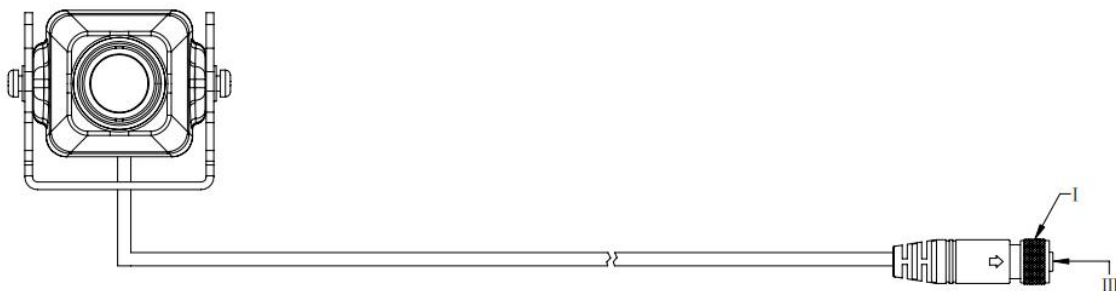


Product dimension diagram

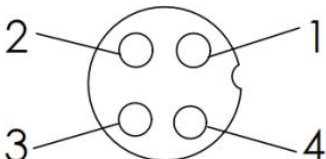
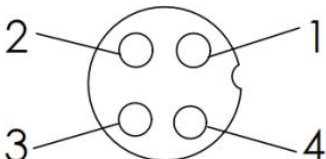
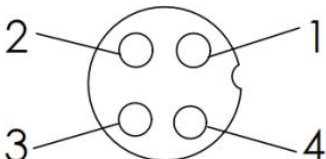
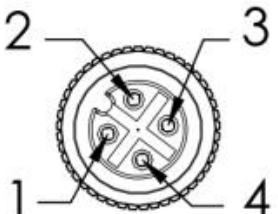
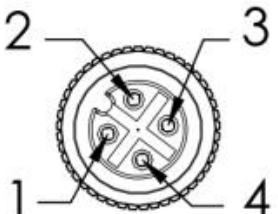
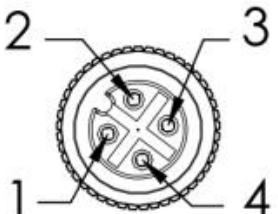
Cable Details



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	<table> <tr> <th>Line order</th><th>No.</th><th>Name</th></tr> <tr> <td rowspan="4">  </td><td>1</td><td>12VDC (+)</td></tr> <tr> <td>2</td><td>12VGND (-)</td></tr> <tr> <td>3</td><td>N/A</td></tr> <tr> <td>4</td><td>AHD VIDEO</td></tr> </table>	Line order	No.	Name		1	12VDC (+)	2	12VGND (-)	3	N/A	4	AHD VIDEO
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