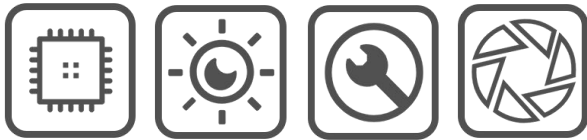




Analog high-definition camera

CA29M

Specification_(v1.0)



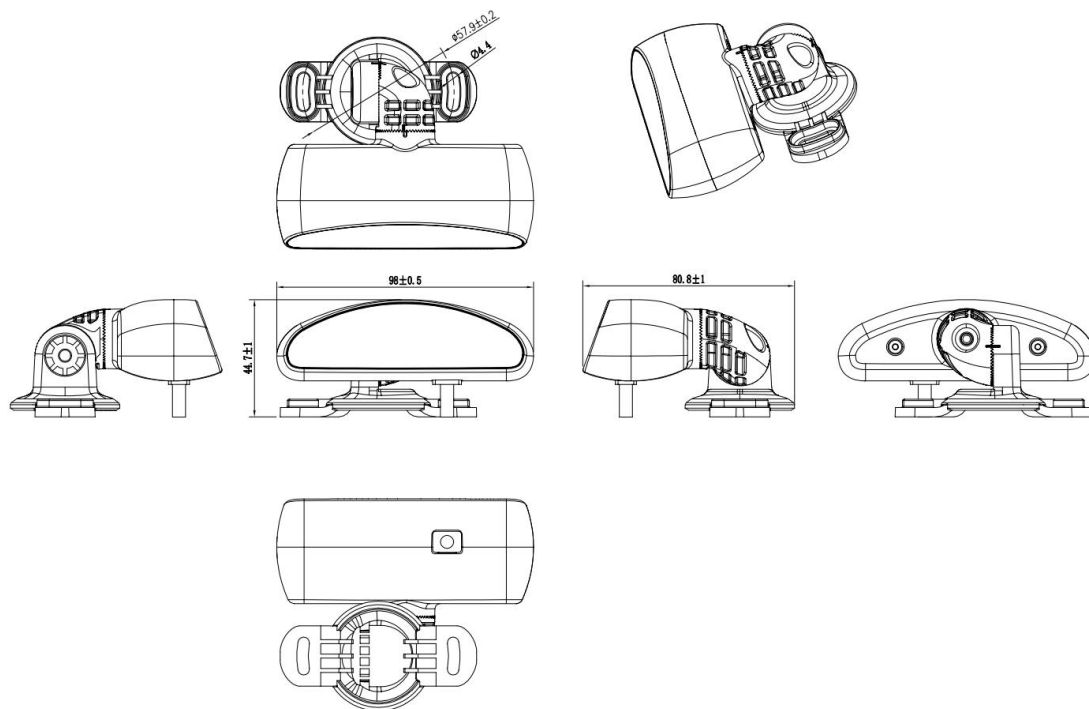
- **Advanced global shutter sensor for fast, accurate capture of moving scenes**
- **Dual 940 nm IR LEDs optimized for >80 cm A-pillar-to-face distance**
- **Delivers clear images under any lighting; no red glow; penetrates sunglasses for 24/7 monitoring**
- **Compact, vibration-resistant design for A-pillar installation**
- **Auto electronic shutter adapts to changing light conditions**

Specification parameters

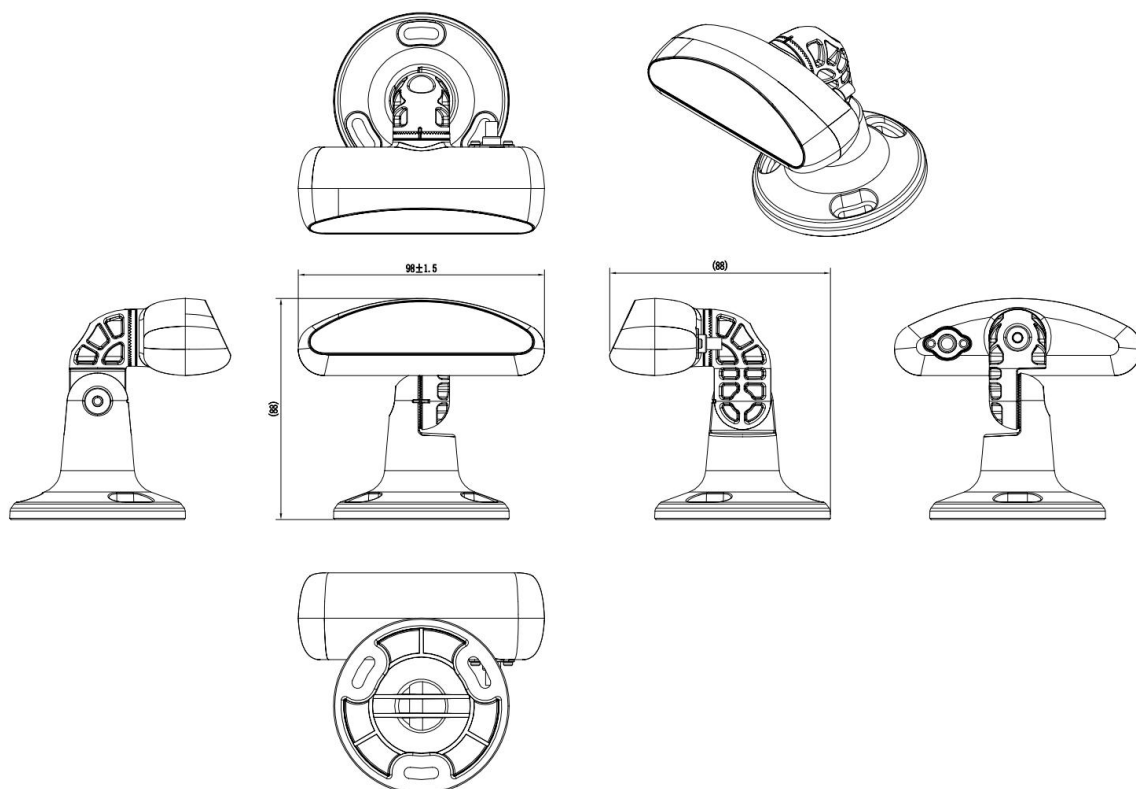
Name	Parameter
Product Model	CA29M
Product Type	SVT-A6710S
Sensor Type	1/4 " 1M pixel CMOS
Resolution	1280H*720V
Lens/FOV (Deviation±5°)	3mm /HFOV: 72° VFOV: 42° DFOV: 82°
	4mm /HFOV: 51° VFOV: 28° DFOV: 62°
Video Signal	PAL/ NTSC
Signal to Noise Ratio(S/N)	≥ 50dB
Day Night Conversion Mode	Black and white mode (default image output)
Minimum Illumination	0 Lux(With IR)
Electronic Shutter	1/25 second to 1/25000 second (automatic shutter)
Installation Method	Supports side/vertical/windshield installation
Scanning System	Global scan
Synchronization	Internal synchronization
Automatic Gain	Supported
3D Noise Reduction	Supported
Backlight Compensation	Supported
Aspect Ratio	5:8 (when mounted on left A-pillar)
IR Switch Mode	Strobe mode, synchronized with shutter timing

IR	2 × 940 nm dot-matrix LEDs
IR Detection Range	Up to 1.1 m (noise-free at long distance)
Video output	1.0Vp-composite video output, 75 ohms
Voltage	DC 9-16V
Power consumption	<2.5W±5%(IR on)
Operation Temperature	-40°F ~ 158°F (-40°C ~ 70°C)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Product Dimension	L98mm × W80.8mm × H44.7mm(Side mount bracket) (L3.86" × W3.18" × H1.76")
	L98mm × W88mm × H80mm(Vertical mount bracket) (L3.86" × W3.46" × H3.15")
	L98mm × W39mm × H104.2mm(Windshield bracket) (L3.86" × W1.54" × H4.10")
Package Dimension	L140mm × W128mm × H106mm (L5.51" × W5.04" × H4.17")
Net Weight	200g(0.44lb) (Side mount bracket)
	225g(0.50lb) (Vertical bracket)
	250g(0.55lb) (Windshield bracket)
Gross Weight	260g(0.57lb) (Side mount bracket)
	285g(0.63lb) (Vertical mount bracket)
	320g(0.71lb) (Windshield bracket)

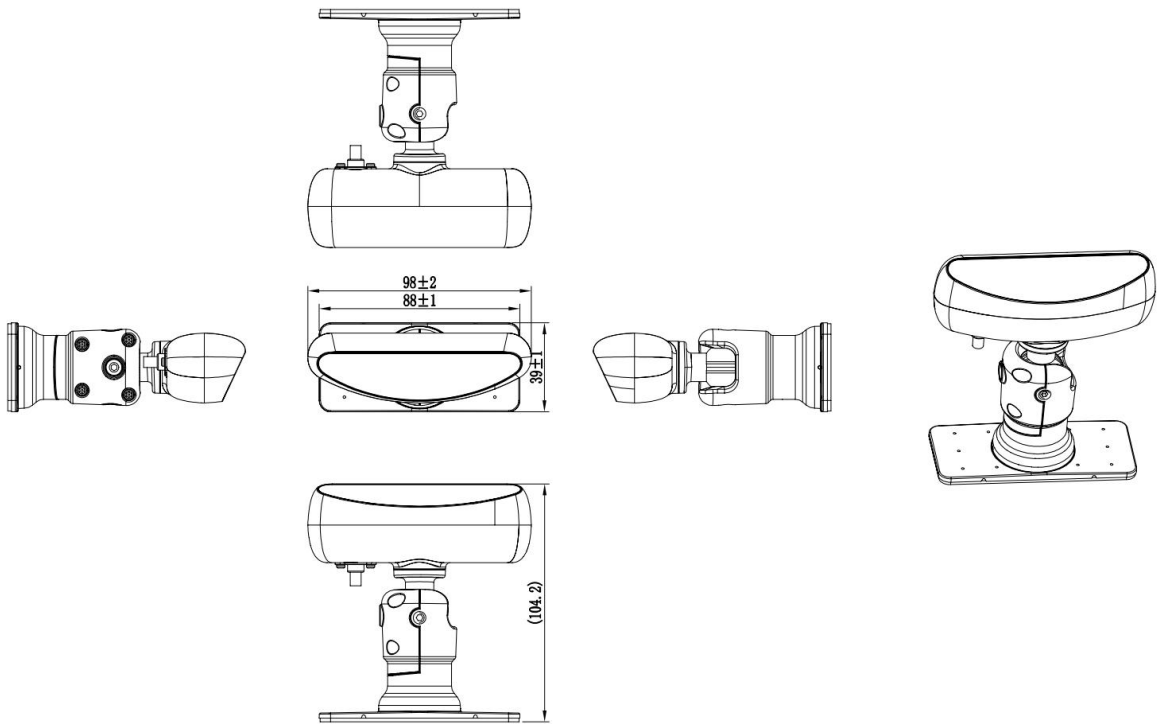
Dimension Diagram



Product dimension diagram—— Side mount bracket

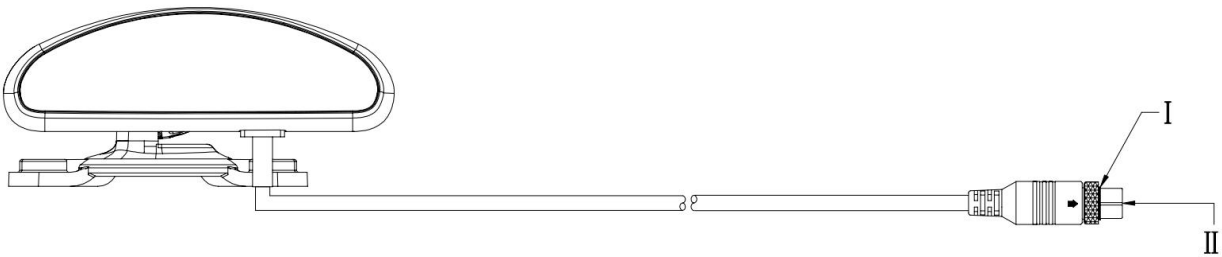


Product dimension diagram——Vertical mount bracket



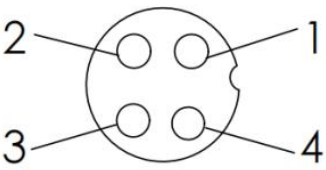
Product dimension diagram—— Windshield bracket

Cable Details



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

No.	Name	Description
I	Red waterproof	Red 8*1.5*5 rubber ring

II	Video Outputs	Line order	No.	Name
			1	12VDC (+)
			2	12VGND (-)
			3	N/A
			4	AHD VIDEO