

VR-246 series



- Continuous Variable Angle Technology (CVA Tech)
- Motorized Variable Field of View 10° ~ 40°
- Capture vehicle speed up to 250 km/hr
- High Intensity and Uniformity for clean license plate
- Weather-proof IP68- and Vandal-proof IK10-rated Housing

The CaMate VR-246 is a series of professional IR illuminators designed with AETEK'S Continuous Variable Angle Technology (CVA Tech), providing highly efficient intensity and uniform distribution to fit 10° ~ 40° FOV via motorized adjustable beam angles to capture vehicle speed up to 250 km/hr. The series offers in traffic LPR/ANPR application.

AETEK'S CVA Tech is an optical technology solution for surveillance cameras, which optics design is founded on a principle of high energy efficiency. By adopting fewer illuminators, CVA tech can realize impressive gains in both brightness and energy saving, will result in an overall reduction in total system cost.

Benefit and feature

- Great image quality with high intensity and uniformity
- High Speed Vehicle Capture up to 250 km/hr
- Flexible for different scenario
- Easy installation by AETEK Alignment Kit and motorized control
- Cost-effective by CVA Tech with high energy utilize
- Incredible reliability in extreme weather

Technical Specifications

Model	VR-246-1040	VR-246-2040
Product Information		
Beam Angle(Horizontal)	10° ~ 40°	20° ~ 40°
Distance	25 ~ 40 m (82 ~ 131 ft)	10 ~ 25 m (33 ~ 82 ft)
Beam Pattern	Circular	Elliptical
LED Array	24 pcs LED	
Wavelength	850nm	
External Input	Trigger Signal Input	
External Output	LED State (Light Sensor, LED ON/OFF, Diagnostic)/ Strobe Output(Freq, Duty Cycle are Adjustable)	
Automatic IR On/Off	Controlled by Light Sensor	
Light Sensor Sensitivity	1/5/10/30(default)/50/100% (Max. 1000 Lux) (accessed via Remote controller/RS-485 control)	
Adjustable IR Power	20% ~ 100 % (accessed via remote controller/RS-485 control)	

Technical Specifications

Model	VR-246-1040	VR-246-2040
General		
Power Input	24 VDC \pm 10%	
Pulsed Mode Power	Typ. 288 W	
Power Consumption	Max. 24W	
Operating Temperature	-40 °C ~ +50 °C (-104 °F ~ +122 °F) (Continuous Mode)	-40 °C ~ +60 °C (-104 °F ~ +140 °F) (Pulse Mode)
Working Temperature	-50 °C ~ +70 °C (-122 °F ~ +158 °F)	
Dimensions (L x W x H)	220 x 160 x 73 mm (8.6 x 6.3 x 2.9 inch)	
Weight	2.1 kg	
Cable Length	0.75 m (2.46 ft) UL AWM	
Casing	IP68, IK10	
Safety Certifications	EN50130-4, CE: EN61000-6-4, FCC Class , EN60529	
Humidity	90%	
Included Accessories		
Bracketry	U-Type Bracket (134 x 54 x 90 mm)	
Dimensions		

