



# CA80 Series

IR Illuminator

Continuous Variable Angle Technology •  
Auto-adjustable Beam Angle • High Uniformity

The CaMate CA80 is a series of professional IR illuminators designed with VIVOTEK's Continuous Variable Angle Technology (CVA Tech), providing highly efficient intensity and uniform distribution to fit 10° ~ 40° FOV via motorized adjustable beam angles up to 350 meters. The series offers multiple options for outdoor and long-distance in many applications such as traffic LPR/ANPR, airports, parking lots and many more.

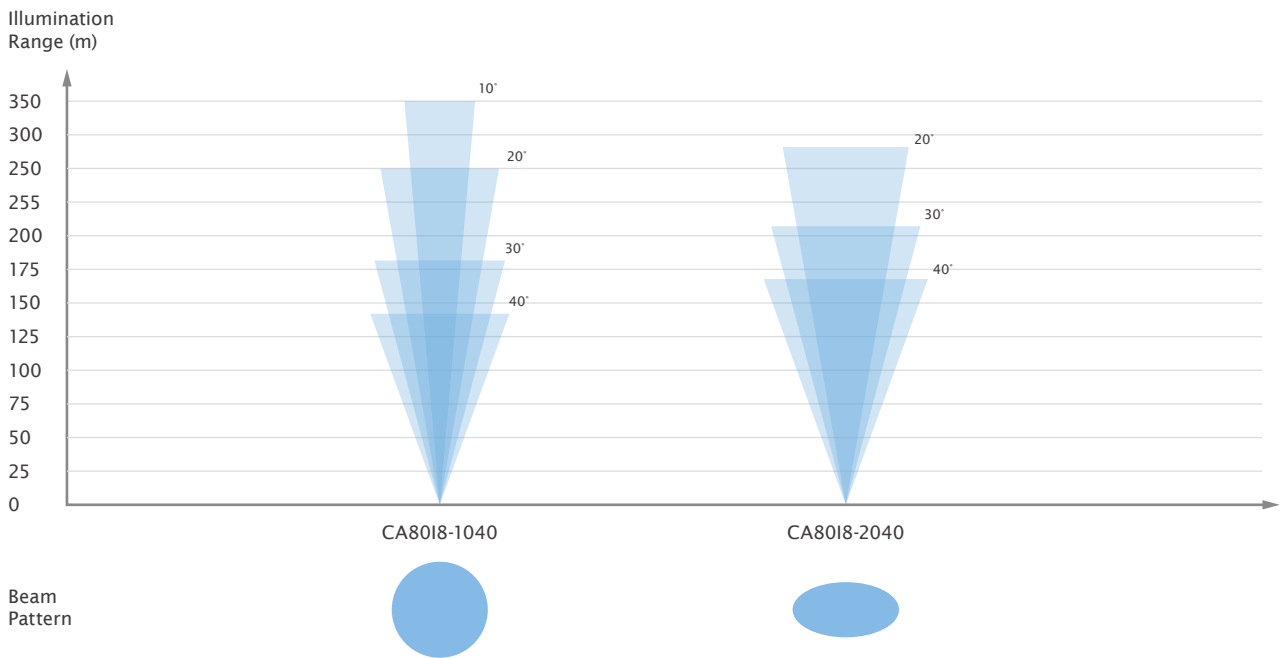
The CA80 series delivers accurate image quality with special beam pattern designs such as circular (-1040) and elliptical (-2040), providing high intensity and uniformity without hot spots or overexposure issues. The radiant power of the LED's are effectively projected on to the surveillance area. All ranges of variable angles can maintain highly efficient functionality while also conserving energy.

Thanks to CVA Tech, this series can adjust beam angles according to different installation distances, which make it easy to install. Further, a remote control provides users quick and easy to set-up the IR LED from the ground site. To meet the demands of different scenarios, the CA80 series is compatible with a variety of accessories, such as brackets, wall mounts and alignment tools. With the added support and flexibility of an abundance of accessories, the CA80 series is an excellent intelligent IR illuminator for optimizing your video performance in dark or low-light surveillance.

## Key Features

- Continuous Variable Angle Technology (CVA Tech)
- Variable Field of View 10° ~ 40°
- Motorized Adjustable Beam Angle up to 350 Meters
- High Uniformity without Hot Spots and Overexposure
- Accurate Image Quality with Special Beam Patterns for Different Solutions: Circular and Elliptical
- Extreme Weather Support
- Weather-proof IP68- and Vandal-proof IK10-rated Housing
- Flexible Installation
- Five-year Warranty

## Illumination Map



## Technical Specifications

Model	CA8018-1040	CA8018-2040
<b>Product Information</b>		
Beam Angle(Horizontal)	10° ~ 40°	20° ~ 40°
Distance	140 - 350 m 459 - 1148 ft	170 - 280 m 557 - 918 ft
Beam Pattern	Circular	Elliptical
LED Array	24 pcs LED	
Wavelength	850nm	
External Input	IR ON/OFF control	
External Output	Day/Night switching	
Automatic IR On/Off	Controlled by Light Sensor	
Light Sensor Sensitivity	1/5/10/30(default)/50/100% (Max. 1000 Lux) (accessed via CaMate remote/RS-485 control)	
Adjustable IR Power	20%-100% (accessed via CaMate remote/RS-485 control)	
<b>General</b>		
Power Input	24VDC ±10%, 24V AC(50/60Hz) ±10%	
Power Consumption	Max. 90 W	
Operating Temperature	-40 °C ~ +50°C (-40 °F ~ +122 °F)	
Working Temperature	-50 °C ~ +50 °C (-58 °F ~ +122 °F)	
Dimensions	220 x 160 x 73 mm (8.6 × 6.3 × 2.9 inch)	
Weight	2.1 kg	
Cable Length	0.75 m (2.46 ft) UL AWM	

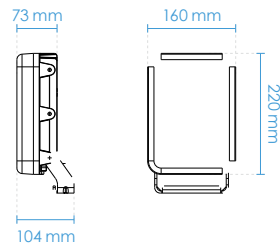
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Model	CA8018-1040	CA8018-2040
Casing	IP68, IK10	
Safety Certifications	IEC 62471, EN 50130-4, CE: EN61000-6-3, EN60598-1, EN60598-2-5, FCC Class A, EN60529	
Humidity	90%	
Warranty	5 years	







### Included Accessories

Bracketry	U-Type Bracket (134 × 34 × 81.5 mm)
Remote Controller	CMA-E01

### Dimensions



## Compatible Accessories

Bracket			Mounting Kit
 AM-219 L-Bracket for Dual CaMate Illuminators	 CMA-B01 L-Bracket for Single CaMate Illuminator	 CMA-B03 U-Type Bracket for Single CaMate Illuminator	 CMA-B04 Wall-Mount Kit for Single/Dual CaMate Illuminator
Alignment Kit	Power Supply		
 CMA-A01 Laser Alignment Kit	 HLG-120H-24 120W Single Output Switching Power Supply		