

Prism Series 8MP Fixed Dome Camera (ADC-VC8498P) - Data Sheet

Overview

The Prism Series 8MP Fixed Dome Camera (ADC-VC8498P) captures every detail at night with VividNight™ technology that delivers exceptional low-light performance, producing crisp, detailed footage even in dim conditions. The fixed lens design delivers a consistent field of view for dependable coverage, allowing users to easily utilize both integrated Video Analytics and proactive video deterrence features, including AI Deterrence and Remote Video Monitoring. Fully integrated with the Alarm.com for Business platform, this camera delivers reliable security for installations that demand comprehensive coverage without compromising on essential features.



Features

- 8MP Ultra HD Resolution
- VividNight™ Low-light color performance
- Built-in IR up to 40 meters (~131 feet)
- Integrated Video Analytics
- Onboard Recording with Smart View
- Built-in microphone
- Two-Way Audio via external input/output setup
- Power over Ethernet only
- Rugged Housing — IP66, IK10, NEMA 4X

Included accessories

- Camera with integrated pigtail cable
- Mounting hardware
- Side egress plug
- L-shaped wrench

Optional accessories

- ADC-VACC-AO-015 accessory cable (required for audio Line-in and Line-out)

Specifications

Max resolution	3840 x 2160 (8 MP)
Image sensor	1/1.8" SONY STARVIS 2 CMOS
Lens & Horizontal Field of View	4.2 mm (W), F1.6, 110.74°
Iris	Fixed iris
Low-light sensitivity	• 0.02 lux @ F1.6 (Color) • <0.005 lux @ F1.6 (B/W) • 0 lux with IR on
IR range	Up to ~131 feet (40 meters)
Image adjustments	Flip, brightness, contrast, saturation, sharpness, exposure
Ethernet connection	10/100 Mbps RJ-45
Operating temperature	IR off: -30 to 50°C (-22 to 122°F) IR on: -30 to 50°C (-22 to 122°F)
Operating humidity	Up to 98% RH (non-condensing)
Input voltage	IEEE 802.3af type 1 PoE

Power consumption	Day - IR off • 9.6W Night - IR on • 12.4W
Dimensions: (LxWxH)	Ø 5.28 x 4.57" (13.4 x 11.6cm)
Weight	2.1 lbs (0.96 kg)
Ingress protection	IP66, NEMA 4X
Impact protection	IK10
Local recording	SVR and Onboard Recording For a list of supported microSD cards and recording resolutions, see Onboard Recording with Smart View.
Two-Way Audio	Full-Duplex with built-in microphone External speaker installation required
External audio connection	Input/Output: • 3.5mm unbalanced mono female TRS connector • Tip: Mono line-level audio • Ring: Same mono line-level audio as Tip • Sleeve: Ground Note: External audio requires use of the ADC-VACC-AO-015 (sold separately)
Compliance	FCC, IC, RCM, CE Class B, UL, Compliant with Section 889 of the NDAA*

***Note:** Accurate as of November 25th, 2025. Visit Alarm.com > Legal > NDAA Statement for the most current information.

Prism Series Camera mounting accessories

Notice: The following accessories will be stocked by Alarm.com in the coming months, and many are already available in distribution.

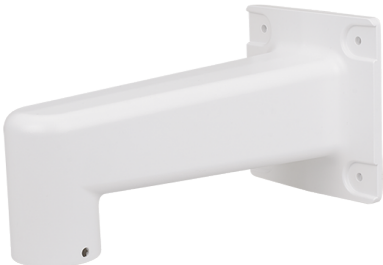
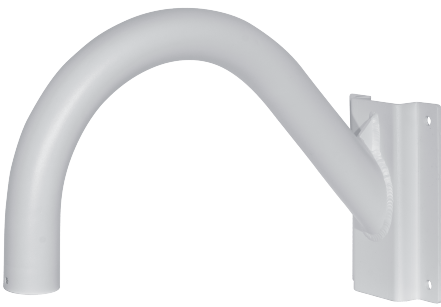
Note: Alarm.com CORE Technical Support can assist with installing Prism Series cameras to one of the listed camera mounts; if you have questions or need assistance with installing any of the listed camera mounts to the mounting surface itself, contact the manufacturer.

Alarm.com Prism Series cameras are direct-fit with the Vivotek mounts and accessories listed below. This means no adapter plates are required, and installers can select from proven, high-quality options that simplify setup. The following accessories will be stocked by Alarm.com in the coming months, and many are already available in distribution.

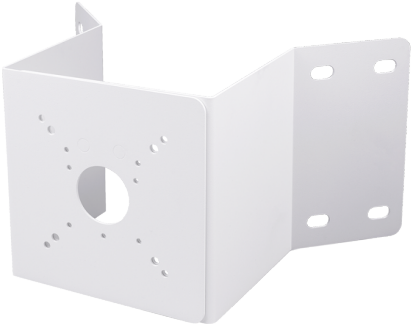
Note: Alarm.com CORE Technical Support can assist with installing Prism Series cameras to one of the listed camera mounts; if you have questions or need assistance with installing any of the listed camera mounts to the mounting surface itself, contact the manufacturer.

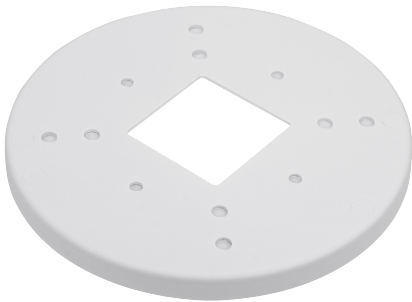
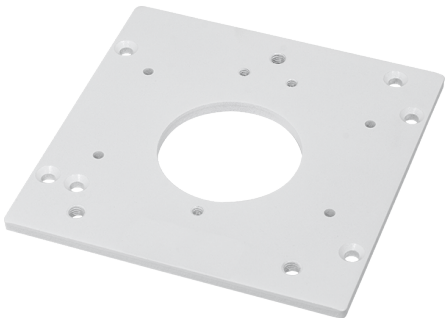
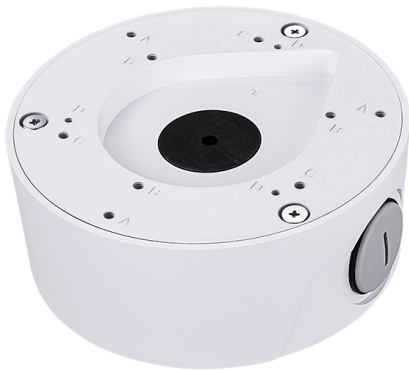
Search by Vivotek part number:

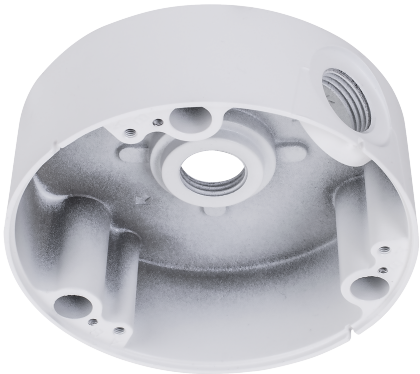
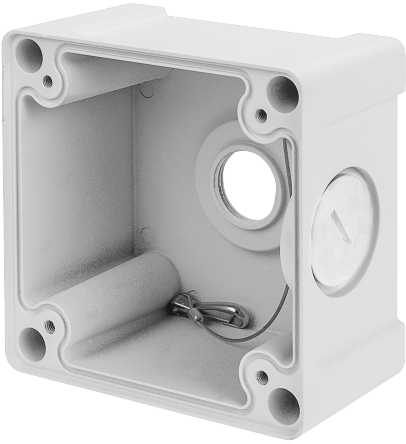
Vivotek part number	Installation guide link	Mount image
AM-114 <i>Pendant head (outdoor)</i>	AM-114 Pendant Head Mount	

Vivotek part number	Installation guide link	Mount image
AM-117* <i>Pendant pipe (40 cm, 1-1/2" PS)</i>	AM-114 Pendant Head Mount AM-218 Wall-Mount Bracket AM-221 Gooseneck Bracket AM-312 V04 Pole Mount AM-412 Corner Mount	
AM-218 <i>Wall mount bracket</i>	AM-218 Wall-Mount Bracket	
AM-221 <i>Gooseneck bracket</i>	AM-221 Gooseneck Bracket	

Vivotek part number	Installation guide link	Mount image
AM-528* <i>Mounting adapter for fixed dome</i>	AM-114 Pendant Head Mount AM-218 Wall-Mount Bracket AM-221 Gooseneck Bracket AM-312 V04 Pole Mount AM-412 Corner Mount	
AM-52E* <i>Mounting adapter for outdoor dome</i>	AM-114 Pendant Head Mount AM-218 Wall-Mount Bracket AM-221 Gooseneck Bracket AM-312 V04 Pole Mount AM-412 Corner Mount	
AM-21A <i>L-shape bracket</i>	AM-21A Wall Mount Bracket	

Vivotek part number	Installation guide link	Mount image
AM-312_V04 (60 mm) <i>Pole mount adapter (60 mm)</i>	AM-312 V04 Pole Mount	
AM-312_V04 (90-152 mm) <i>Pole mount adapter (90-152 mm)</i>	AM-312 V04 Pole Mount	
AM-412_V02 <i>Corner mount adapter</i>	AM-412 Corner Mount	

Vivotek part number	Installation guide link	Mount image
AM-51D <i>Adapter plate for a 4" electrical box</i>	AM-51D Adapting Plate for 4" Electrical Box	
AM-523 <i>Adapter plate for a 4" square electrical box</i>	AM-523 Adapter Plate for Junction Box	
AM-71B <i>Waterproof conduit box</i>	AM-71B V02 Conduit Box	

Vivotek part number	Installation guide link	Mount image
AM-71C_V02 <i>Waterproof junction box</i>	AM-71C V02 Waterproof Junction Box	
AM-71D <i>Outdoor conduit box</i>	AM-71D Outdoor Conduit Box	
AM-719* <i>Outdoor junction box</i>	AM-218 Wall-Mount Bracket AM-312 V04 Pole Mount AM-412 Corner Mount	

Vivotek part number	Installation guide link	Mount image
AM-71K <i>Outdoor junction box</i>	AM-71K Outdoor Junction Box	

***Important:** The AM-117, AM-528, AM-52E, and AM-719 are only compatible when installed in combination with one of the accessories listed in the *Installation guide link* column.