

Immersive 360° Coverage With Digital Pan-tilt-zoom



Overview

Verkada's CF81-E fisheye camera delivers dynamic viewing experiences by leveraging advanced onboard processing and a wide-angle 12MP image sensor. Users can choose between five viewing modes: panoramic, digital pan-tilt-zoom, 2-way split, 3-way split and 4-way split.

The CF81-E is IP67 weather rated for both indoor and highly-exposed outdoor installations. The exterior housing provides IK10 protection against direct impacts from vandals, hail and flying debris. Like all Verkada cameras, the CF81-E works out-of-the-box without any additional configurations.

All Verkada cameras include standard features like end-to-end encryption, onboard storage and advanced motion-based insights so organizations are able to quickly scale their coverage and increase situational awareness across any number of locations.

Key features

Coverage

- 12MP image sensor for wide-angle coverage
- Five viewing modes
 - 2-way split, 3-way split and 4-way split
 - Panoramic
 - Digital pan-tilt-zoom
- 20m / 66ft IR illuminators for nighttime visibility

Storage and processing

- 512GB-2TB of onboard storage
- Up to 90 days of retention in standard quality
- Low-bandwidth impact, only using 20-50 kbps

Certifications

- IP67 weather rating
- IK10 impact rating
- NDAA compliant



Verkada's hybrid cloud architecture



No NVR or DVRs

Industrial-grade onboard storage saves up to 365 days of continuous video¹

Easy to scale

Bandwidth friendly and supports thousands of cameras across unlimited locations

Centralized management

Modern platform enables secure access on any device from anywhere in the world

The Reliability of Onboard Storage, With the Accessibility of the Cloud

Simple to install

- No NVRs, DVRs, or servers—just a PoE connection
- Cameras come online and configure in minutes
- No added software or complexities like port forwarding

Easy to use

- Centralized management for secure remote access on any device nearly anywhere
- No training required to access footage and features
- Find, download and share footage from any device

Advantages of cloud-managed solution

- Real-time alerts if cameras fall offline
- SAML-based integration with single-sign on (SSO) solutions
- Continuous updates with new AI features
- Instantly share live footage via SMS and email
- Live, proactive alerting based on unusual activity

Ready for scale

- Bandwidth-friendly, operating at just 20–50 kbps
- Scale to thousands of cameras per location
- No added equipment needed to support additional cameras

No hidden costs

- Hardware includes an industry-leading 10-year warranty
- Automatic firmware updates keep systems secure
- New features and enhancements are added at no additional costs



1. All our cameras record in "adaptive quality," capturing both standard and high quality streams. Standard quality (SQ) video is stored up to the amount of retention specified by the customer. The amount of high quality video stored on the camera will depend on the amount of motion detected by the camera over time. To learn more, visit our website: <https://www.verkada.com/blog/recording-in-adaptive-quality/>