

CR63-E Remote Camera with LTE

Easily Monitor Areas
Without Power or Internet



Overview

The CR63-E remote camera is quick to deploy and easy to move, providing coverage even in areas that lack power or internet. It has a built-in battery and LTE modem and supports various power supplies, including solar.

If continuous power is available, the CR63-E can be hardwired via included AC and passive PoE adapters.¹ For deployments in areas without existing power infrastructure, a solar panel and one or more backup batteries can be used. A built-in LTE modem simplifies install without the need for a standalone cellular gateway.

The CR63-E provides 24/7 streaming and impeccable image quality with 4K resolution and optical zoom. An onboard CV75S Ambarella processor supports advanced analytics like [AI-powered search](#), [AI-powered unified timeline](#), line crossing, loitering, person of interest (POI) alerts, and [license plate recognition](#) (LPR).

With sealed interior components and IP66/IP67 weather and IK10 impact ratings, the CR63-E withstands extreme temperatures and excessive precipitation, allowing it to be deployed in a variety of indoor or outdoor environments.

Key features

Various power supply options

- Passive PoE,¹ DC, and power tap adapters
- External backup battery
- 100W solar panel

Excellent image quality

- 4K resolution
- 1/1.2" progressive CMOS image sensor
- Varifocal lens with 2.25x optical zoom
- 30m / 98ft of IR range for nighttime viewing

Built-in LTE connectivity

- Built-in LTE modem to provide connectivity in areas without internet
- Choose between Verkada's data plan or bring your own

Advanced analytics

- Onboard CV75S Ambarella processor enables people and vehicle analytics
- License plate recognition capabilities capture license plates at speeds up to 80 mph / 128 kph
- AI-powered search and AI-powered alerts
- Occupancy trends for operational insights

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 120 days (512GB - 3TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

1. PoE pigtail must be used with 48-57V passive PoE



Verkada Data Plan

Verkada takes away the challenge of working with cell carriers with our hassle-free data plan, which works out of the box in many countries across the world.

Key benefits

Instant connectivity out of the box

As soon as it receives power, the CR63-E's built-in modem will automatically connect to a carrier using the pre-inserted Verkada SIM card – it just works.

Unlimited data

Unlike most carriers, which throttle your speed after a certain threshold, Verkada offers truly unlimited data.

Country/region

US

Multi-carrier redundancy

The Verkada SIM card works across major carriers, allowing the CR63-E to automatically switch carriers if the current network is down.

24/7 support

Enjoy the quick and easy 24/7 customer support that you've come to expect from Verkada.

Carriers used

Verizon, AT&T, T-Mobile

Bring Your Own Data Plan

Customers also have the option to bring their own data plan. For a list of carriers that have been tested and verified by Verkada, please refer to the [knowledge base article](#).

Always connected

Customers can insert their own SIM card in one slot while keeping the Verkada SIM in the other slot for automatic failover. If the customer-provided SIM fails, the Verkada SIM helps ensure that the camera is always reachable.

Flexible configuration

Customers may also use their own SIM cards in both slots. In this case, customers can configure one slot as the primary SIM and use the other for automatic failover if needed.



CR63-E

Tech Specs

Camera features

| | | | |
|--|---|-----------------------------|---|
| Image Sensor | 1/1.2" Progressive CMOS | Shutter Speed | 1/30 sec. to 1/10,000 sec. |
| Sensor Resolution¹ | 4K (3840 x 2160) | Day/Night | IR-cut filter for day and night function |
| Lens Type | Varifocal; motorized zoom (2.25x) | IR Cut Filter | Yes |
| Focal Length | 5.9 - 13.3mm | IR Range | 30m / 98ft; non-adjustable |
| Aperture | F1.5 - F2.9 | Minimum Illumination | 0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on |
| Iris | P-Iris | Onboard Storage | Capacity: From 512GB to 3TB Card: MicroSD, SDXC |
| Field of View (after LDC²) | Horizontal: 109° - 49° (102° - 47°) Vertical: 58° - 28° (58° - 27°) Diagonal: 113° - 55° (107° - 53°) | CPU | Ambarella CV75S88 |
| Sensor Movement | Tilt: 0° to 90° Pan: 360° Rotation: 360° | | |

Standard video settings

| | | | |
|-------------------------------|---------------|----------------------------------|--|
| Compression | H.265, H.264 | Historical Video Settings | Adaptive quality ¹ |
| Frame Rate³ | 24fps | Live Streaming Settings | High quality (HQ): Up to 4,500 Kbps (default) Standard quality (SQ): Up to 600 Kbps |
| RTSP | Not supported | | |

Standard audio settings

| | | | |
|-----------------------|---------------|------------------------|---------------------|
| Audio | Supported | Interface | Built-in microphone |
| Audio Capacity | One-way audio | Effective Range | 5m / 16ft |

1. All our cameras record in "adaptive quality," capturing both standard (SQ) and high quality (HQ) streams. SQ video is stored up to the amount of retention specified by the customer. The amount of HQ 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://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf>

2. Lens Distortion Correction (LDC) crops the sensor field of view to deliver a rectified, undistorted output image.

3. Frame rate can be adjusted by support.



CR63-E

Tech Specs

Power

| | | | |
|--------------------|---|--------------------------|--|
| Power Input | MC4 Pigtail for Solar Panel RJ45 for Passive POE DC Power Adapter | Power Consumption | 54VDC, 1.2A, 65W Barrel Jack (6.5/3mm OD/ID) 48-57V, 1.35-1.14A, 65W Passive POE 16-40V 6-2.4A, 96W, DC Solar input |
|--------------------|---|--------------------------|--|

Cellular

| | | | |
|---------------------|--|--------------|--|
| Connectivity | LTE cellular CAT 6 | MIMO | 2x2 DL MIMO |
| SIM | 2 SIM slots (Nano 4FF) Dual SIM/auto SIM failover | Bands | B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B38, B39, B40, B41, B42, B43, B48 (CBRS), B66, B71 |
| Carriers | Verizon, AT&T, T-Mobile | | |

General

| | | | |
|------------------------------|---|-----------------------------|--|
| Operating Temperature | -40°C to 50°C / -40°F to 122°F | LED Indicator | 1 status LED, 2 SIM indicator LEDs, 4 signal strength LEDs |
| Humidity | 0 to 90% | Warranty | 5 Years |
| Certifications | IK10 impact rating, IP66/IP67 weather rating, FY2019 NDAA compliant | Included Accessories | Mount plate, pole mount, T10 Torx security screwdriver, T25 Torx security allen key, 4x M4 x 25mm PH2, 4x wall anchors, MC4 pigtail, PoE pigtail, barrel jack pigtail, 2x small pole straps, 2x large pole straps, 1x Verkada SIM card |



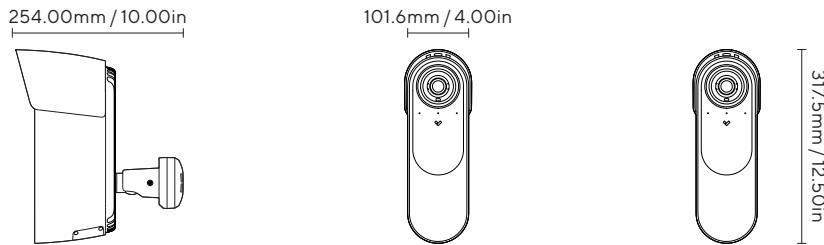
CR63-E

Tech Specs

Mechanical

| | | | |
|-------------------|--|-------------|--|
| Weight | 3700g / 130.51oz | Body | Plastic casing with aluminum base and ball joint |
| Dimensions | <p>L: 254.0mm / 10.00in W: 101.6mm / 4.00in H: 317.5mm / 12.50in</p> | | |

Dimensions



Software capabilities

| | | | |
|--------------------------|--|----------------------------------|---|
| Alerts | Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd detection, line-crossing detection, loitering detection, AI-powered alerts | Streaming and Storage | Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse |
| People Analytics | People search, attribute search, face search, occupancy trends, motion search, trajectory analysis, selective face blurring, AI-powered search | Sharing and Privacy | Live links, live face blur, privacy regions, audit log |
| Vehicle Analytics | Vehicle search, attribute search, motion search, trajectory analysis, occupancy trends, AI-powered search | License Plate Recognition | License plate of interest alerts, license plate indexing |



Ordering Information

CR63-E pricing

| Model Number | MP ¹ | WDR | Lens | IR Range | Onboard Storage | Maximum SQ Onboard Retention ¹ | People/Vehicle Analytics | Cost (MSRP) <small>USD</small> |
|--------------|-----------------|-----|------|------------|-----------------|---|--------------------------|--------------------------------|
| CR63-512E-HW | 4K | ✓ | Zoom | 30m / 98ft | 512GB | 30 Days | ✓ | \$3,499 |
| CR63-1TBE-HW | 4K | ✓ | Zoom | 30m / 98ft | 1TB | 60 Days | ✓ | \$4,299 |
| CR63-2TBE-HW | 4K | ✓ | Zoom | 30m / 98ft | 2TB | 90 Days | ✓ | \$5,399 |
| CR63-3TBE-HW | 4K | ✓ | Zoom | 30m / 98ft | 3TB | 120 Days | ✓ | \$6,699 |

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://docs.verkada.com/docs/adaptive-quality-recording-whitepaper.pdf>



Ordering Information

Video Security Cloud License pricing (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|-----------------|---|-----------------|
| LIC-CAM-1Y-CAP | 1-Year Camera License, Capacity Increase | \$219 |
| LIC-CAM-3Y-CAP | 3-Year Camera License, Capacity Increase | \$599 |
| LIC-CAM-5Y-CAP | 5-Year Camera License, Capacity Increase | \$999 |
| LIC-CAM-10Y-CAP | 10-Year Camera License, Capacity Increase | \$1,999 |

Video Security Cloud License pricing (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|-----------------|---------------------------------|-----------------|
| LIC-CAM-1Y-RNW | 1-Year Camera License, Renewal | \$219 |
| LIC-CAM-3Y-RNW | 3-Year Camera License, Renewal | \$599 |
| LIC-CAM-5Y-RNW | 5-Year Camera License, Renewal | \$999 |
| LIC-CAM-10Y-RNW | 10-Year Camera License, Renewal | \$1,999 |



Ordering Information

Cellular Data Plan (New/Capacity Increase)

Each data plan license includes unlimited data for one video device.

Customers bringing their own SIM/data plan do not need to purchase data plan licenses.

| Model Number | Description | Cost (MSRP) USD |
|-------------------|--|-----------------|
| LIC-GC-1VD-1Y-CAP | 1-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Capacity Increase | \$999 |
| LIC-GC-1VD-3Y-CAP | 3-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Capacity Increase | \$2,997 |
| LIC-GC-1VD-5Y-CAP | 5-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Capacity Increase | \$4,995 |

Cellular Data Plan (Renewal)

Each data plan license includes unlimited data for one video device.

Customers bringing their own SIM/data plan do not need to purchase data plan licenses.

| Model Number | Description | Cost (MSRP) USD |
|-------------------|--|-----------------|
| LIC-GC-1VD-1Y-RNW | 1-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Renewal | \$999 |
| LIC-GC-1VD-3Y-RNW | 3-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Renewal | \$2,997 |
| LIC-GC-1VD-5Y-RNW | 5-Year Cellular Gateway Data Plan, Includes Unlimited Data for 1 Verkada Video Device, Renewal | \$4,995 |



Ordering Information

Accessories pricing

| Model Number | Description | Cost (MSRP) USD |
|-------------------|---|-----------------|
| ACC-BAT-430WH-E-1 | 430Wh Backup Battery for CR Camera | \$1,399 |
| ACC-MNT-SOLP-1 | Solar Panel Pole Mount | \$499 |
| ACC-POLE-1 | 12ft / 3.7m Above Grade Pole for Use with CR Camera and Accessories | \$999 |
| ACC-SOLP-100W-1 | 100 Watt Solar Panel | \$269 |



Ordering Information

Viewing Station pricing

| Model Number | Description | Cost (MSRP) USD |
|--------------|----------------------|-----------------|
| VX52-HW | VX52 Viewing Station | \$499 |

Viewing Station License pricing (New/Capacity Increase)

| Model Number | Description | Cost (MSRP) USD |
|----------------|--|-----------------|
| LIC-VX-1Y-CAP | 1-Year Viewing Station License, Capacity Increase | \$499 |
| LIC-VX-3Y-CAP | 3-Year Viewing Station License, Capacity Increase | \$1,299 |
| LIC-VX-5Y-CAP | 5-Year Viewing Station License, Capacity Increase | \$1,999 |
| LIC-VX-10Y-CAP | 10-Year Viewing Station License, Capacity Increase | \$3,999 |

Viewing Station License pricing (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|----------------|--|-----------------|
| LIC-VX-1Y-RNW | 1-Year Viewing Station License, Renewal | \$499 |
| LIC-VX-3Y-RNW | 3-Year Viewing Station License, Renewal | \$1,299 |
| LIC-VX-5Y-RNW | 5-Year Viewing Station License, Renewal | \$1,999 |
| LIC-VX-10Y-RNW | 10-Year Viewing Station License, Renewal | \$3,999 |