

CD22-E Outdoor Dome Camera

Essential 3MP Coverage for Monitoring Outdoor Environments



Overview

The CD22-E outdoor dome camera features a 1 / 2.8" progressive CMOS image sensor and 10 meters / 33 feet of IR range to provide supplemental 3MP coverage in various lighting and weather conditions. The CD22-E includes an onboard CV25S Ambarella processor to detect and alert on the presence of people and vehicles. The CD22-E is designed to add additional visual context to low-traffic exterior areas that require supporting coverage, making it optimal for deployments at scale where widespread outdoor coverage is necessary.

Certified with IP67 weather and IK10 impact ratings, the CD22-E withstands extreme temperatures and excessive precipitation without compromising aesthetics. Installation and setup are easy to track using the LED status indicator, while the included mount plate makes it straightforward to install the device on exterior walls or flat overhangs.

Key features

Clear image quality

- 1 / 2.8" progressive CMOS image sensor
- 3MP resolution
- 10 meters / 33 feet of IR range for nighttime viewing

Essential detection

- Onboard CV25S Ambarella processor enables people and vehicle detection

Durability and weather protection

- IP67 weather rating
- IK10 impact rating
- Operability between -40°C to 50°C / -40°F to 122°F

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 90 days (256GB - 768GB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Easy installation

- Mounting plate and screw pack included
- LED light status indicator



CD22-E

Tech Specs

Camera features

| | | | |
|--|--|-----------------------------|---|
| Image Sensor | 1 / 2.8" Progressive CMOS | Shutter Speed | 1 / 30 sec. to 1 / 10,000 sec. |
| Sensor Resolution¹ | 3MP (2048 x 1536) | Day/Night | IR-cut filter for day and night function |
| Lens Type | Fixed | IR Cut Filter | Yes |
| Focal Length | 2.8mm | IR Range | 10m / 33ft |
| Aperture | F1.6 | Minimum Illumination | 0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on |
| Iris | Fixed | Onboard Storage | Capacity: From 256GB to 768GB Card: MicroSD, SDXC |
| Field of View (after LDC²) | Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°) | CPU | Ambarella CV25S88 |
| Sensor Movement | Tilt: 60° Pan: 355° Rotation: 180° | | |

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 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps |

Standard audio settings

| | |
|--------------|---------------|
| Audio | Not Supported |
|--------------|---------------|

Power and network

| | | | |
|--------------------------------------|--|---------------------|--|
| Power Input⁴ | With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: IEEE 802.3at Type 2 PoE+ | Connectivity | RJ-45 cable connector for network/PoE connection; 10 / 100 Mbps |
| Power Consumption⁴ | With IR: 37-57V, 0.23-0.15A, 8.6W Without IR: 37-57V, 0.11-0.07A, 4.3W Extended temperature range: 37-57V, 0.46-0.30A, 16.9W | RTSP | RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: No |

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.

4. Extended temperature range includes operating temperatures below -8.5°C / 16.7°F and assumes IR will be enabled.



CD22-E

Tech Specs

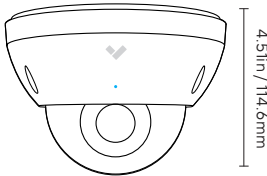
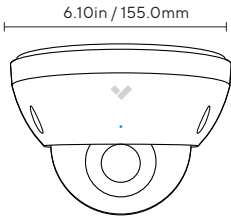
General

| | | | |
|-----------------------|---|----------------------|--|
| Operating Temperature | -40°C to 50°C / -40°F to 122°F | LED Indicator | System power and status indicator |
| Humidity | 0 to 90% | Warranty | 5 Years |
| Certifications | FCC, ICES, CE, UKCA, RCM, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, CB, IP67 weather rating, IK10 impact rating, FY2019 NDAA compliant | Included Accessories | Setup guide, wall mount screws & anchors (4x), T10 security torx screwdriver, mounting template, cable gland wrench, desiccant pack, conduit adapter |

Mechanical

| | | | |
|------------|---|------|-----------------------------|
| Weight | Camera: 847g / 29.88oz Mount plate: 174g / 6.14oz | Body | Aluminum, plastic dome trim |
| Dimensions | Ø: 155.0mm / 6.10in, H: 114.6mm / 4.51in with mount plate Ø: 155.0mm / 6.10in, H: 107.6mm / 4.24in without mount plate | | |

Dimensions



Software capabilities

| | | | |
|-------------------|---|-----------------------|---|
| Alerts | Camera status, motion detection, people detection, vehicle detection, crowd detection, line-crossing detection, loitering detection | Streaming and Storage | Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP |
| People Analytics | Motion search, trajectory analysis | Sharing and Privacy | Live Links, live face blur, privacy regions, audit log |
| Vehicle Analytics | Motion search, trajectory analysis | | |



Ordering Information

CD22-E pricing

| Model Number | MP ¹ | WDR | Lens | IR Range | Onboard Storage | Maximum SQ Onboard Retention ¹ | People/Vehicle Analytics | Cost (MSRP) ^{USD} |
|--------------|-----------------|-----|-------|------------|-----------------|---|--------------------------|----------------------------|
| CD22-256E-HW | 3MP | ✓ | Fixed | 10m / 33ft | 256GB | 30 Days | - | \$799 |
| CD22-512E-HW | 3MP | ✓ | Fixed | 10m / 33ft | 512GB | 60 Days | - | \$1,199 |
| CD22-768E-HW | 3MP | ✓ | Fixed | 10m / 33ft | 768GB | 90 Days | - | \$1,599 |

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 | \$199 |
| LIC-CAM-3Y-CAP | 3-Year Camera License, Capacity Increase | \$549 |
| LIC-CAM-5Y-CAP | 5-Year Camera License, Capacity Increase | \$899 |
| LIC-CAM-10Y-CAP | 10-Year Camera License, Capacity Increase | \$1,799 |

Video Security Cloud License pricing (Renewal)

| Model Number | Description | Cost (MSRP) USD |
|-----------------|---------------------------------|-----------------|
| LIC-CAM-1Y-RNW | 1-Year Camera License, Renewal | \$199 |
| LIC-CAM-3Y-RNW | 3-Year Camera License, Renewal | \$549 |
| LIC-CAM-5Y-RNW | 5-Year Camera License, Renewal | \$899 |
| LIC-CAM-10Y-RNW | 10-Year Camera License, Renewal | \$1,799 |



Ordering Information

Accessories pricing

| Model Number | Description | Cost (MSRP) USD |
|------------------|--|-----------------|
| ACC-CAM-SHIELD-1 | Camera Weather Shield | \$79 |
| ACC-MNT-ANGLE-1 | Angle Mount | \$149 |
| ACC-MNT-ARM-1 | Arm Mount | \$99 |
| ACC-MNT-CJBOX-1 | Circle Junction Box | \$109 |
| ACC-MNT-CLIP-1 | Tile Clip Mount | \$99 |
| ACC-MNT-CORNER-1 | Corner Mount | \$199 |
| ACC-MNT-LBRAC-1 | L-Bracket Mount | \$129 |
| ACC-MNT-PEND-1 | Standard Pendant Cap | \$69 |
| ACC-MNT-POLE-1 | Pole Mount | \$209 |
| ACC-MNT-UPEND-1 | Umbrella Pendant Cap | \$79 |
| INJ-POE-PLUS | PoE Plus (802.3at Type 2) Injector, GigE | \$129 |



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 |