

CD22 Indoor Dome Camera

Essential 3MP Coverage for Monitoring Indoor Environments



Overview

The CD22 dome camera provides essential 3MP coverage in a variety of indoor spaces. With its 1 / 2.8" progressive CMOS image sensor and 10 meters / 33 feet of IR range, the CD22 offers reliable visibility for organizations seeking quick and scalable deployments. The CD22 includes an onboard CV25S Ambarella processor to detect and alert on the presence of people and vehicles. The CD22 is optimized for covering spaces like storage closets and store aisles where supplemental visibility is necessary.

The CD22's sleek design and IK08 impact rating enable organizations to deploy a durable, tamper-resistant camera while also keeping aesthetics top-of-mind. Installation is simple and intuitive, and setup is easy to track with an LED status indicator. The included mount plate additionally allows the camera to be mounted to a wall or ceiling without any additional hardware.

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

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

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

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|--------------|---------------|
| 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: N/A | 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: N/A | 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 Tech Specs

General

| | | | |
|------------------------------|--|-----------------------------|---|
| Operating Temperature | -10°C to 50°C / 14°F to 122°F | LED Indicator | System power and status indicator |
| Humidity | 0 to 90% | Warranty | 5 Years |
| Certifications | FCC, ICES, CE, UKCA, RCM, CB, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, IK08 impact rating, FY2019 NDAA compliant | Included Accessories | Setup guide, T10 security torx screwdriver, screw pack, mounting template |

Mechanical

| | | | |
|-------------------|--|-------------|-----------------------------|
| Weight | Camera: 608g / 21.45oz Mountplate: 140g / 4.94oz | Body | Aluminum, plastic dome trim |
| Dimensions | Ø: 146.0mm / 5.75in, H: 104.3mm / 4.11in with mount plate Ø: 146.0mm / 5.75in, H: 99.8mm / 3.93in 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 | | |