

CY63-E-G Government-Grade Two-Camera Multisensor

Bidirectional 4K coverage
for government environments



Overview

The CY63-E-G Government-Grade Two-Camera Multisensor offers expansive 4K coverage from a single install point. A pair of 1 / 2.8" progressive CMOS image sensors, each with 2.55x optical zoom and 98 feet / 30 meters of IR range, enable vivid and highly-detailed image quality in varied lighting conditions. The CY63-E-G also includes FIPS 140-validated encryption and is both TAA and FY2019 NDAA compliant – essential compliance criteria for government-grade deployments. The CY63-E-G is compatible with the standard Verkada Command platform, as well as Command for GovCloud, Verkada's FedRAMP® Moderate Authorized environment.

The CY63-E-G includes a CV72S Ambarella processor to support advanced analytics like AI-powered search, [AI-powered search](#), [AI-powered unified timeline](#), [occupancy trends](#), and person of interest (POI) alerts. The camera excels in high-traffic areas including busy hallways, building entrances and exits, and lobbies, where detailed people and vehicle capture play a key role in expediting investigations.

The CY63-E-G's robust metal housing, IP66/67 weather rating, and IK10 impact rating enable the device to withstand inclement weather and demanding environments. Constructed with efficient installation top-of-mind, the CY63-E-G features a latch-based cable gland for easy PoE threading, a three-LED light status indicator, a built-in bubble level, and alignment presets that guide each lens into optimal positions for common viewing angles.

Key features

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 - 120 days (1TB - 4TB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Advanced analytics

- Onboard CV72S Ambarella processors enable people and vehicle analytics
- AI-powered search and AI-powered alerts
- Occupancy trends for operational insights

Government-grade security

- Meets the FIPS 140 standard, as validated by NIST
- FedRAMP Moderate Authorized
- TAA and FY2019 NDAA compliant

Excellent image quality

- Four 1 / 2.8" progressive CMOS image sensors
- 4K resolution
- Two varifocal lenses with 2.55x optical zoom per lens
- 98 feet / 30 meters of IR range for nighttime viewing

Durability and weather protection

- Robust metal housing
- IP66/IP67 weather rating
- IK10 impact rating
- Operability between -40°F to 122°F / -40°C to 50°C

Expansive coverage

- Individually adjustable and repositionable sensor heads
- Combined field of view up to 180°



CY63-E-G

Tech specs

Camera features

Image sensor	2 x 1 / 2.8" progressive CMOS	Shutter speed	1 / 30 sec. to 1 / 10,000 sec.
Sensor resolution ¹	2 x 4K (3856 x 2228)	Day/night	IR-cut filter for day and night function
Lens type	Varifocal; Motorized zoom	IR-cut filter	Yes
Focal length	3.18mm - 8.12mm	IR range	98ft / 30m; non-adjustable
Aperture	F1.9 - F3.24	Minimum illumination	0.009 lux @ F1.9 (color) 0 lux with IR illuminators on
Iris	N/A	Onboard storage	Capacity: from 1TB to 4TB Card: microSD, SDXC
Field of view (after LDC ²)	Horizontal: 115° - 44° (107° - 42°) Vertical: 61° - 25° (60° - 24°) Diagonal: 142° - 48° (123° - 48°)	CPU	Ambarella CV72S66
Sensor movement	Tilt: +0° to 60° for each lens from upright Pan: +/- 90° for each lens Rotation: +/- 90° for each lens		

Standard video settings

Compression	H.265, H.264	Historical video settings	Adaptive quality ¹
Frame rate ³	24fps / sensor	WDR technology	True WDR, dual exposure
Live streaming settings (per head)	High quality (HQ): up to 3,000 kbps (default) Standard quality (SQ): up to 600 kbps		

Standard audio settings

Audio	Supported	Interface	Built-in microphone
Audio capacity	One-way audio	Effective range	16ft / 5m

Power and network

Power input ⁴	IEEE 802.3at Type 2 PoE+	Connectivity	RJ-45 cable connector for network/PoE connection; 10 / 100 / 1000 Mbps
Power consumption ⁴	With IR: 37-57V, 0.60-0.45A, 25.5W Without IR: 37-57V, 0.37-0.24A, 13.5W Extended temperature range: 37-57V, 0.60-0.45A, 25.5W	RTSP	RTSP 1.0 RFC 2326 Max concurrent streams: 4 (2 per camera head) Audio: supported

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 14°F / -10°C and assumes IR will be enabled.



CY63-E-G

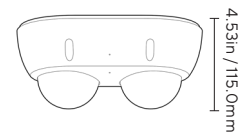
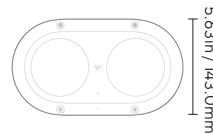
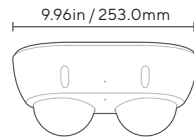
Tech specs

General

Operating temperature	-40°F to 122°F / -40°C to 50°C	LED indicators	System power and status indicator, debug indicator
Humidity	0 to 90%	Warranty	10 years
Certifications	For hardware certification information, please visit verkada.com/compliance	Included accessories	T10 security screwdriver, mount plate with leveler, 4x wall mount screws, 4x wall anchors, desiccant, conduit adapter, large cable gland

Mechanical

Weight	Camera: 70.55oz / 2000g Mount plate: 14.11oz / 400g	Body	Aluminum
Dimensions	L: 9.96in / 253.0mm W: 5.63in / 143.0mm H: 4.53in / 115.0mm with mount plate H: 4.33in / 110.0mm without mount plate		



Software capabilities

Alerts ⁵	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 ⁵	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
People analytics ⁵	People search, attribute search, face search, occupancy trends, motion search, trajectory analysis, selective face blurring, AI-powered search	Sharing and privacy ⁵	Live links, live face blur, privacy regions, audit log
Vehicle analytics ⁵	Vehicle search, attribute search, motion search, trajectory analysis, occupancy trends, AI-powered search		

5. All the listed features can be enabled independently for each camera head.



Ordering information

CY63-E-G pricing

Model number	MP ¹	WDR	Lens	IR range	Onboard storage	Maximum SQ onboard retention ¹	People/vehicle analytics	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
CY63-1TBE-HW-G	2 x 4K	✓	Zoom	98ft / 30m	1TB	30 Days	✓	\$3,799	\$3,699
CY63-2TBE-HW-G	2 x 4K	✓	Zoom	98ft / 30m	2TB	60 Days	✓	\$5,999	\$5,899
CY63-3TBE-HW-G	2 x 4K	✓	Zoom	98ft / 30m	3TB	90 Days	✓	\$8,199	\$8,099
CY63-4TBE-HW-G	2 x 4K	✓	Zoom	98ft / 30m	4TB	120 Days	✓	\$10,399	\$10,299

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 software license pricing (new/capacity increase)²

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-CAM-MLT4-1Y-CAP	Verkada 1-Year Four-Camera Multisensor License, Capacity Increase	\$699	\$699
LIC-CAM-MLT4-3Y-CAP	Verkada 3-Year Four-Camera Multisensor License, Capacity Increase	\$1,949	\$1,949
LIC-CAM-MLT4-5Y-CAP	Verkada 5-Year Four-Camera Multisensor License, Capacity Increase	\$3,249	\$3,249
LIC-CAM-MLT4-10Y-CAP	Verkada 10-Year Four-Camera Multisensor License, Capacity Increase	\$6,499	\$6,499
LIC-CAM-MLT4-1Y-CAP-G	Verkada 1-Year Four-Camera Multisensor License for Government, Capacity Increase	\$899	\$899
LIC-CAM-MLT4-3Y-CAP-G	Verkada 3-Year Four-Camera Multisensor License for Government, Capacity Increase	\$2,499	\$2,499
LIC-CAM-MLT4-5Y-CAP-G	Verkada 5-Year Four-Camera Multisensor License for Government, Capacity Increase	\$3,999	\$3,999
LIC-CAM-MLT4-10Y-CAP-G	Verkada 10-Year Four-Camera Multisensor License for Government, Capacity Increase	\$8,099	\$8,099

Video Security software license pricing (renewal)²

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-CAM-MLT4-1Y-RNW	Verkada 1-Year Four-Camera Multisensor License, Renewal	\$699	\$699
LIC-CAM-MLT4-3Y-RNW	Verkada 3-Year Four-Camera Multisensor License, Renewal	\$1,949	\$1,949
LIC-CAM-MLT4-5Y-RNW	Verkada 5-Year Four-Camera Multisensor License, Renewal	\$3,249	\$3,249
LIC-CAM-MLT4-10Y-RNW	Verkada 10-Year Four-Camera Multisensor License, Renewal	\$6,499	\$6,499
LIC-CAM-MLT4-1Y-RNW-G	Verkada 1-Year Four-Camera Multisensor License for Government, Renewal	\$899	\$899
LIC-CAM-MLT4-3Y-RNW-G	Verkada 3-Year Four-Camera Multisensor License for Government, Renewal	\$2,499	\$2,499
LIC-CAM-MLT4-5Y-RNW-G	Verkada 5-Year Four-Camera Multisensor License for Government, Renewal	\$3,999	\$3,999
LIC-CAM-MLT4-10Y-RNW-G	Verkada 10-Year Four-Camera Multisensor License for Government, Renewal	\$8,099	\$8,099

2. Two-camera multisensors require a separate license from other Verkada Cameras.



Accessories

Recommended accessories

Model number	Description
ACC-MNT-ARM-1	Verkada Arm Mount
ACC-MNT-CORNER-1	Verkada Corner Mount
ACC-MNT-POLE-1	Verkada Pole Mount
ACC-MNT-XLARM-1	Verkada Large Arm Mount
ACC-MNT-YJBOX-1	Verkada Two-Camera Multisensor Junction Box Mount
ACC-MNT-YPEND-1	Verkada Two-Camera Multisensor Pendant Cap Mount
ACC-POE-90W-AU	Verkada 90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Australia Type I Plug
ACC-POE-90W-EU	Verkada 90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, Europe Type F Plug
ACC-POE-90W-NA	Verkada 90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, North America Type B Plug
ACC-POE-90W-UK	Verkada 90W PoE++ (802.3bt Type 4) Injector, GigE, Indoor, United Kingdom Type G Plug
INJ-POE-PLUS	Verkada PoE+ (802.3at) Injector, GigE