

## CM42-S Mini Split Camera

5MP Image Quality in a Compact, Split-Design Camera for Optimal Monitoring in Tight Spaces



### Overview

The CM42-S indoor mini split camera is a discreet camera, engineered to blend into a variety of environments. The compact CM42-S is comprised of a sensor unit, main unit, and 2-meter / 6-foot USB-C connecting cable, making it an ideal choice for installations in ATMs, retail settings, and other confined spaces.

Despite the sensor's small size (H: 47.4mm / 1.9in, W: 36.4mm / 1.4in, L: 40.2mm / 1.6in), the CM42-S features 5MP resolution and an Ambarella CV25 processor, making it ideal for a variety of deployments. An audio port allows for an external microphone, enabling customers to complement video monitoring with audio recording. Its 2-meter / 6-foot USB-C connecting cable offers flexible and customizable installation, and its HDMI output promotes streaming locally to a display, like a public viewing monitor, which are often found in retail environments. The CM42-S is engineered to capture video even in low-light conditions, making it suitable for round-the-clock monitoring.

### Key features

#### Discreet design

The separate sensor unit and main unit make the CM42-S ideal for deployments in ATMs, retail environments, and other locations that require small form factors.

#### Auxiliary audio and video support

Connect to an external microphone or public viewing monitor for comprehensive coverage and security.

#### Versatile installation

2-meter / 6-foot USB-C connecting cable between the sensor unit and main unit accommodates diverse installation scenarios.

#### Excellent image quality at day or night

5MP resolution and 15 meter / 49 feet IR range ensures clear video capture in many conditions.



# CM42-S Mini Split

## Tech Specs

### Camera features

<b>Image Sensor</b>	1/2.8" Progressive CMOS	<b>Shutter Speed</b>	1/30 sec. to 1/10,000 sec.
<b>Sensor Resolution<sup>1</sup></b>	5MP (2592 x 1944)	<b>Day/Night</b>	IR-cut filter for day and night function
<b>Lens Type</b>	Fixed	<b>IR Cut Filter</b>	Yes
<b>Focal Length</b>	3.2mm	<b>IR Range</b>	15m / 49ft
<b>Aperture</b>	F1.6	<b>Minimum Illumination</b>	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
<b>Iris</b>	Fixed	<b>Onboard Storage</b>	Capacity: From 256GB, 768GB Card: MicroSD, SDXC
<b>Field of View (after LDC<sup>2</sup>)</b>	Horizontal: 99° (80°) Vertical: 71° (63°) Diagonal: 107° (92°)	<b>CPU</b>	Ambarella CV25S88
<b>Inputs/Outputs</b>	3.5mm audio input, micro-HDMI output, +/- AUX <sup>4</sup> with 12V / 4W power output, USB-C sensor input <sup>3</sup>		

### Standard video settings

<b>Compression</b>	H.265, H.264	<b>Historical Video Settings</b>	Adaptive quality <sup>1</sup>
<b>Frame Rate<sup>5</sup></b>	24fps	<b>Live Streaming Settings</b>	High quality (HQ): Up to 3,000 Kbps (default) Standard quality (SQ): Up to 600 Kbps
<b>WDR Technology</b>	104 dB dynamic range, true WDR, dual exposure		

### Standard audio settings

<b>Audio</b>	Supported	<b>Interface</b>	3.5mm audio input
<b>Audio Capacity</b>	One-way audio		

### Power and network

<b>Power Input<sup>6</sup></b>	With IR: IEEE 802.3af Type 1 PoE Without IR: IEEE 802.3af Type 1 PoE Extended temperature range: N/A	<b>Connectivity</b>	RJ-45 cable connector for network/PoE connection; 10 / 100 / 1000 Mbps
<b>Power Consumption<sup>6</sup></b>	With IR: 37-57V, 0.19-0.12A, 7.25W Without IR: 37-57V, 0.12-0.08A, 4.3W Extended temperature range: N/A	<b>RTSP</b>	RTSP 1.0 RFC 2326 Max concurrent streams: 2 Audio support: Yes

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. Should the customer choose to use their own USB-C cable, it must be USB-C 3.1 (or higher) speed rated.

4. +/- Aux not currently supported. Support is forthcoming.

5. Frame rate can be adjusted by support.

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



# CM42-S Mini Split Tech Specs

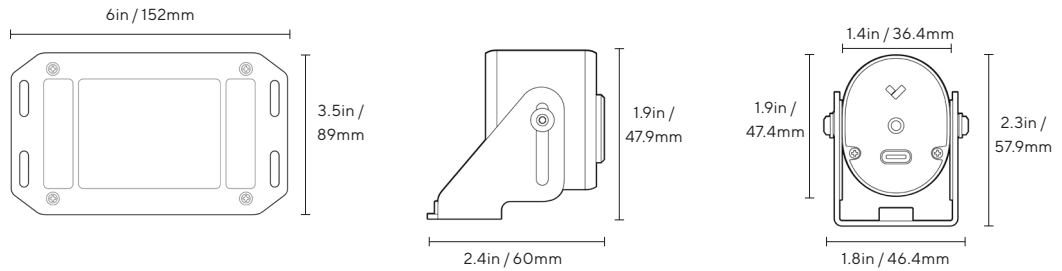
## General

<b>Operating Temperature</b>	-10°C to 50°C / 14°F to 122°F	<b>LED Indicator</b>	System power and status indicator
<b>Humidity</b>	0 to 90%	<b>Warranty</b>	10 Years
<b>Included Accessories</b>	T10 security torx screwdriver, 1x 1/4"-20 screw, 4x wall screws, 4x wall anchors, 1x 2m USB-C cable, double-sided tape for wall mounting main unit and sensor unit mount bracket	<b>Certifications</b>	FCC, IC

## Mechanical

<b>Weight</b>	Camera Main Unit: 242.8g / 8.6oz Camera Sensor Unit: 110.2g / 3.9oz USB-C Cable: 79.9g / 2.8oz	<b>Body</b>	Aluminum, plastic
<b>Dimensions<sup>7</sup></b>	Camera Sensor Unit: H: 47.4mm / 1.9in, W: 36.4mm / 1.4in, L: 40.2mm / 1.6in Camera Main Unit: H: 25.5mm / 1.0in, W: 89.0mm / 3.5in, L: 152.0mm / 6.0in		

## Dimensions



## Software capabilities

<b>Alerts</b>	Camera status, motion detection, people detection, vehicle detection, Person of Interest detection, crowd detection, line-crossing detection, loitering detection, AI-powered alerts	<b>Streaming and Storage</b>	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
<b>People Analytics</b>	People search, attribute search, face search, Occupancy Trends, motion search, trajectory analysis, selective face blurring, AI-powered search	<b>Sharing and Privacy</b>	Live links, live face blur, privacy regions, audit log
<b>Vehicle Analytics</b>	Vehicle search, attribute search, motion search, trajectory analysis, Occupancy Trends, AI-powered search		

7. Mechanical dimensions listed here represent the sensor unit without the bracket attached.



# Ordering Information

## CM42-S Mini Split pricing

Model Number	MP <sup>1</sup>	WDR	Lens	IR Range	Onboard Storage	Maximum SQ Onboard Retention <sup>1</sup>	People/Vehicle Analytics	Cost (MSRP) USD
CM42-256S-HW	5.0MP	✓	Fixed	15m / 49ft	256GB	30 Days	✓	\$999
CM42-768S-HW	5.0MP	✓	Fixed	15m / 49ft	768GB	90 Days	✓	\$1799

## Video Security Cloud License pricing

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

## Viewing Station pricing

VX52-HW	VX52 Viewing Station	\$499
LIC-VX-1Y	1-Year Viewing Station License	\$499
LIC-VX-3Y	3-Year Viewing Station License	\$1,299
LIC-VX-5Y	5-Year Viewing Station License	\$1,999
LIC-VX-10Y	10-Year Viewing Station License	\$3,999

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>