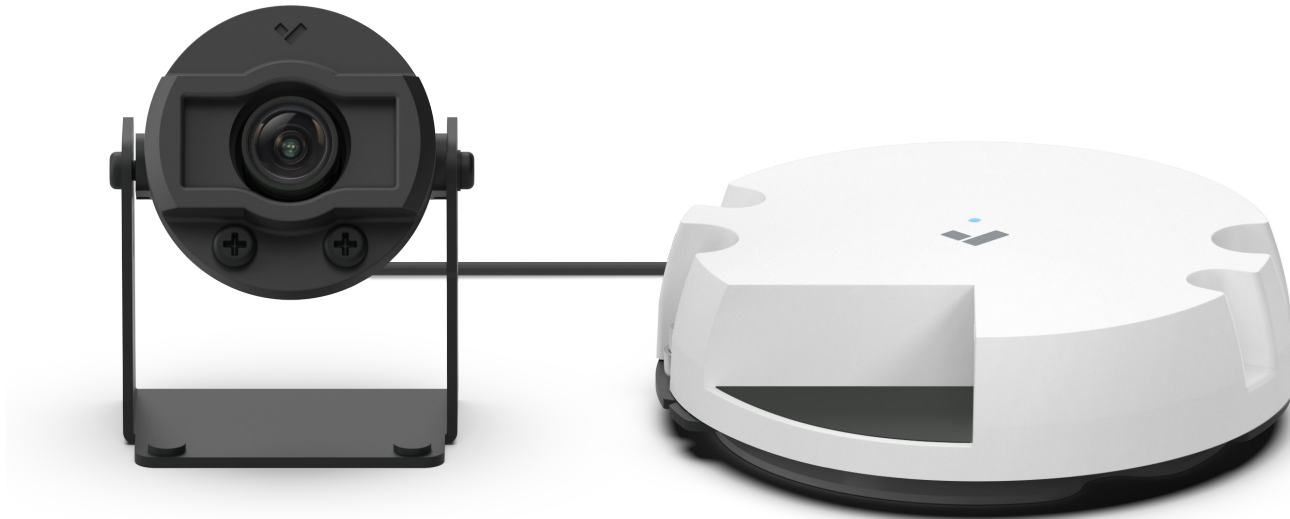


CM41-S Mini Split Camera

Compact and Flexible 5MP Coverage in a Split Form Factor



Overview

The CM41-S mini split camera provides reliable 5MP coverage for specialized deployments that require a compact form factor. Its 1 / 2.8" progressive CMOS image sensor, separate from the main unit, enables the device to be deployed where traditional cameras are otherwise too large. The included onboard S5L Ambarella processor enables advanced analytics like AI-powered search, AI-powered alerts, and Person of Interest (POI) detection. The CM41-S excels at monitoring from within ATMs, providing discreet privacy-sensitive coverage.

The CM41-S includes a 15-centimeter / 6-inch long connector cable between the main unit and image sensor as well as screws for mounting both components, ensuring installation is flexible and easy. Installation and setup are easy to track using an LED status indicator.

Key features

Excellent image quality

- 1 / 2.8" progressive CMOS image sensor
- 5MP resolution

Hybrid cloud architecture

- Onboard storage and processing for reduced bandwidth consumption and coverage at scale
- 30 or 90 days (128GB or 384GB) of onboard storage
- Redundant cloud backup and unlimited cloud-based archiving of footage

Advanced analytics

- Onboard S5L Ambarella processor enables people and vehicle analytics
- AI-powered search and AI-powered alerts

Flexible installation

- Separate main unit enables image sensor to be deployed in compact spaces
- 15-centimeter / 6-inch connector cable
- Camera and main unit mounting screws
- LED light status indicator



CM41-S

Tech specs

Camera features

Image sensor	1 / 2.8" Progressive CMOS	Shutter speed	1 / 30 sec. to 1 / 10,000 sec.
Sensor resolution¹	5MP (2688 x 1944)	Day/night	IR-cut filter for day and night function
Lens type	Fixed	IR-cut filter	Yes
Focal length	2.8mm	IR range	N/A
Aperture	F1.6	Minimum illumination	0.009 lux @ F1.9 (Color) 0 lux with IR Illuminators on
Iris	Fixed	Onboard storage	Capacity: From 128GB to 384GB Card: MicroSD, SDXC
Field of view (after LDC²)	Horizontal: 97° (78°) Vertical: 71° (63°) Diagonal: 128° (91°)	CPU	Ambarella S5L63
Sensor movement	Tilt: 90° Pan: N/A Rotation: 240°		

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
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Power and network

Power input⁴	With IR: N/A 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: N/A Without IR: 37-57V, 0.10-0.06A, 3.6W 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.



CM41-S

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	10 years
Certifications	FCC, ICES, CE, UKCA, RCM, VCCI, KCC, BIS, NOM, UL/cUL/IEC 62368-1, CB, FY2019 NDAA compliant	Included accessories	Setup guide, mounting template, camera mounting screws (2x), hub mounting screws (2x)

Mechanical

Weight	Camera: 199g / 7.02oz Mount plate: 55g / 1.94oz	Body	Aluminum, plastic housing
Dimensions	Camera Head: H: 47.9mm / 1.89in, W: 55.2mm / 2.17in, D: 35.2mm / 1.39in Base: Ø: 94.2mm / 3.70in, H: 27.6mm / 1.09in		

Dimensions



Software capabilities

Alerts	Camera status, motion detection, people detection, vehicle detection, person of interest detection, crowd detection, AI-powered alerts	Streaming and storage	Cloud backup, configurable retention days, selectable storage location, low bandwidth mode, timelapse, RTSP
People analytics	People search, attribute search, face search, occupancy trends, motion search, trajectory analysis, selective face blurring, AI-powered search	Sharing and privacy	Live Link, privacy regions, audit log
Vehicle analytics	Vehicle search, attribute search, motion search, AI-powered search		



Product information

CM41-S models

Model number	MP ¹	WDR	Lens	IR range	Onboard storage	Maximum SQ onboard retention ¹	People/vehicle analytics
CM41-30S-HW	5MP	✓	Fixed	–	128GB	30 Days	✓
CM41-90S-HW	5MP	✓	Fixed	–	384GB	90 Days	✓

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>