

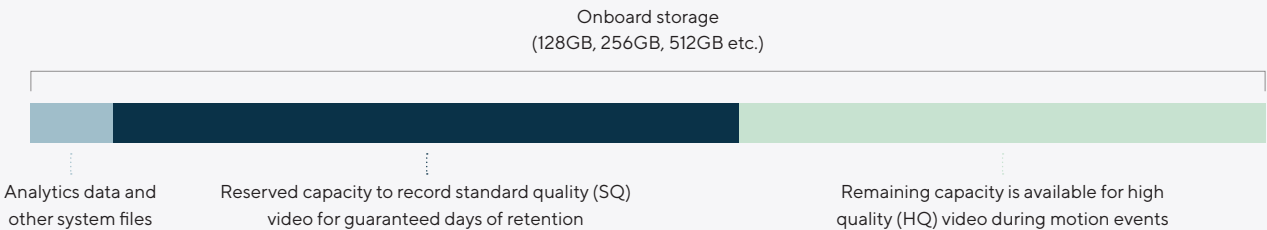


Verkada adaptive quality recording



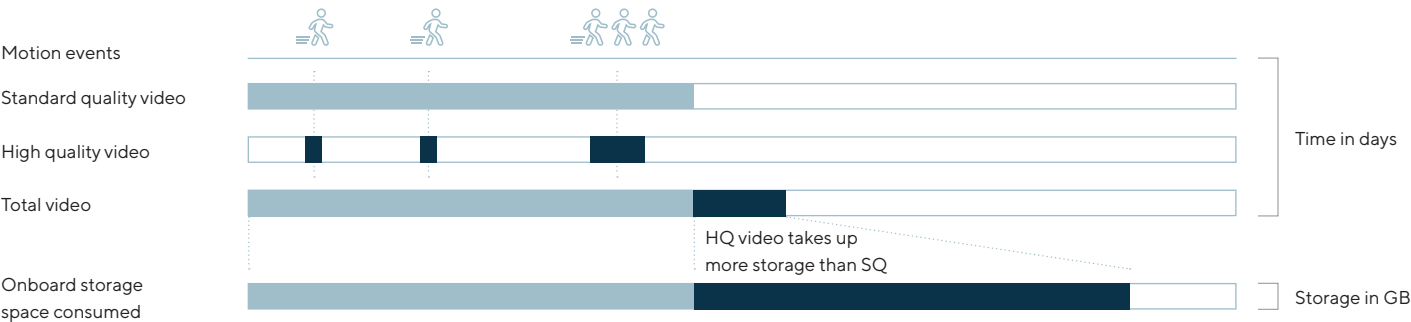
Verkada takes away the challenge of configuring the retention period for your cameras. Compared to the complicated and imprecise process of sizing the storage in legacy systems, Verkada makes it easy to ensure video retention matches your requirements.

Customers can choose a camera with standard, onboard retention of 30, 60, 90, 120, or 365 days. Standard quality video is recorded up to the amount of retention specified by the customer; 30 days for most of our devices. If motion is detected within the scene, our cameras also save high quality footage to the onboard solid state media. We ensure the standard quality video is retained for the full retention period. The remainder of the onboard storage is allocated to high quality video footage, audio (if enabled), and analytics (if enabled). This allows our customers to meet their required retention policies without having to do the math. We refer to this method of video retention as recording in **adaptive quality**. The chart below illustrates the breakdown of onboard storage utilization for standard quality and high quality video. Note that the reserved capacities for standard quality and high quality video depend on camera model and onboard storage.



How much high quality video do Verkada cameras retain?

The amount of high quality video retained by our cameras is dependent on the amount of motion detected in the scene. This is illustrated in the following chart:



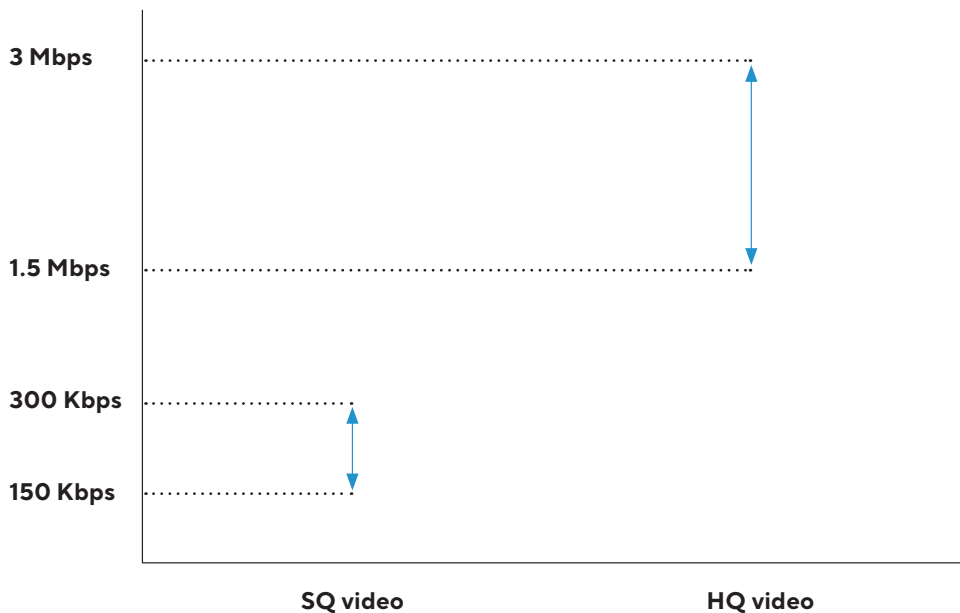
High quality video takes up more space than standard quality video (see the table later in this guide for HQ and SQ bitrates for different Verkada cameras). As a result, if the camera is placed in a scene with excessive motion, such as a busy intersection or entrance, the storage space allocated to high quality footage may fill up. If that happens, the earliest available high quality video is cycled out to make space for the latest motion based video. In such cases, older footage, even in cases of high motion, will only be stored in standard quality. The standard quality video retention is unaffected by motion and is recorded continuously up to the designated retention of 30, 60, 90, 120 or 365 days.



Variable bitrates by default

By default, Verkada cameras¹ utilize variable bitrates for both SQ and HQ video. This dynamic bitrate approach allows for video to be recorded at a lower bitrate during less complex scenes and a higher bitrate during more complex scenes. For instance, scenes with high complexity, such as moving traffic, require higher bitrates to maintain image quality compared to less complex scenes, such as a static wall or hallway with minimal activity. With variable bitrates, customers can experience enhanced video quality when it matters without compromising overall storage. Refer to the table on the following page for the maximum bitrate each camera can reach as it dynamically adapts to the scene.

Example: CD52 variable bitrates:



Custom HQ bitrates

Verkada also gives you the option to set custom HQ bitrates on your cameras². Each camera has four options for HQ bitrate that you can choose from. The default setting uses variable bitrates as described in the section above, while the other three options represent constant bitrates. The table on the next page shows the available HQ bitrates for each camera.

Example: CD52 HQ bitrates options

Enhanced ▾

Good - 1000 Kbps
~365 days HQ video

Advanced - 1500 Kbps
~365 days HQ video

Enhanced - up to 3000 Kbps **DEFAULT** ✓

Ultra - 4500 Kbps
~224 days HQ video

Note that changing this setting will affect the estimated days of HQ video retention, which is displayed next to each option. SQ video retention is not affected.

1. Except for PTZ and D series cameras.

2. Except for PTZ series cameras.



Bitrates and resolution by camera

The following table shows the bitrates and resolutions for each of our cameras. Note that we offer four options for HQ bitrate and can further customize bitrates based on your specific needs. Please reach out to Verkada Support, your Account Executive, or your Solutions Engineer for more details and guidance.

Model number	Recording bitrate (in kbps)					Recording resolution		
	Standard quality	Good	Advanced	Enhanced (default)	Ultra	Standard quality	High quality	Frame rate
CB51-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CB51-TE	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CB61-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CB61-TE	Up to 600	2000	3000	Up to 4500	6000	960x544	3840x2160	24 fps
CB52-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2688x1944	24 fps
CB52-TE	Up to 300	1000	1500	Up to 3000	4500	800x600	2688x1944	24 fps
CB62-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CB62-TE	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CB53-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2688x1944	24 fps
CB63-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CB53-TE	Up to 300	1000	1500	Up to 3000	4500	800x600	2688x1944	24 fps
CB63-TE	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CD22	Up to 300	1000	1500	Up to 3000	4500	800x600	2048x1536	24 fps
CD22-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2048x1536	24 fps
CD31	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD31-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD32	Up to 300	1000	1500	Up to 3000	4500	800x600	2048x1536	24 fps
CD32-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2048x1536	24 fps
CD41	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD41-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD42	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD42-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD43	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD43-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD51	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD51-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD52	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD52-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD53	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD53-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CD61	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CD61-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps



Bitrates and resolution by camera

	Recording bitrate (in kbps)					Recording resolution		
		High quality						
Model number	Standard quality	Good	Advanced	Enhanced (default)	Ultra	Standard quality	High quality	Frame rate
CD62	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CD62-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CD63	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CD63-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24 fps
CF83-E	Up to 600	2000	3000	Up to 4500	6000	1280x720	2048x1152	24 fps
CF81-E	Up to 600	2000	3000	Up to 4500	6000	1280x720	2048x1152	24 fps
CM22	Up to 300	1000	1500	Up to 3000	4500	800x600	2048x1536	24 fps
CM41	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CM42	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CM41-E	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CM42-S	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CM41-S	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CM61	Up to 600	1000	2000	Up to 4500	4000	896x504	3840x2160	24 fps
CH52-E*	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CH53-E*	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CH63-E*	Up to 600	2000	3000	Up to 4500	6000	1024x576	3856x2228	24 fps
CY53-E*	Up to 300	1000	1500	Up to 3000	4500	800x600	2592x1944	24 fps
CY63-E*	Up to 600	2000	3000	Up to 4500	6000	1024x576	3856x2228	24 fps
CR63-E	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24fps
CR63-TE	Up to 600	2000	3000	Up to 4500	6000	1024x576	3840x2160	24fps
	Recording bitrate (in kbps)					Recording resolution		
Model number	Standard quality	High quality				Standard quality	High quality	Frame rate
CP63-E (Static)	1200	4000				1024x576	3840x2160	24 fps
CP63-E (Moving)	4000	4000				1024x576	3840x2160	24 fps
CP52-E (Static)	600	2500				800x600	2688x1944	24 fps
CP52-E (Moving)	1500	4000				800x600	2688x1944	24 fps
	Recording bitrate (in kbps)					Recording resolution		
		High quality						
Model number	Standard quality	Good	Advanced (default)	Enhanced	Ultra	Standard quality	High quality	Frame rate
D30	Up to 300	800	1000	2000	3000	800x600	2048x1536	24 fps
D40	Up to 300	1000	1500	3000	4500	800x600	2592x1944	24 fps
D50	Up to 300	800	1000	2000	3000	800x600	2048x1536	24 fps
D50W	Up to 300	800	1000	2000	3000	800x600	2048x1536	24 fps
D80	Up to 600	1000	2000	3000	4000	800x600	2000x1500	24 fps

*Bitrate and resolution are shown per camera head. The CH52-E, CH53-E, and CH63-E have four (4) camera heads. The CY53-E and CY63-E have two (2) camera heads.



What is the typical amount of motion in different deployments?

Detection of motion events is dependent on a variety of factors such as the illumination of the scene, distance of moving object(s) from the camera, height, angle and orientation of the camera, background of the scene, number and size of the moving objects etc. and these factors will vary by location. Verkada's adaptive motion detection algorithms continuously learn from the scene and evolve to better differentiate between background movement (rustling leaves or rainfall) versus important motion (a person or vehicle appearing in the scene). Here is an estimate of the amount of time typical motion is detected in different scenes:

Scene	Typical motion (in hours)
Busy retail locations and stores	16–24 hours
Busy intersections, cross walks	16–24 hours
Main entrance of building	8–16 hours
Office spaces and hallways	8–16 hours
Typical schools	0–8 hours
Commercial parking lots	0–8 hours
Warehouses	0–8 hours
Storage areas / closet space	0–8 hours



How to pick the right onboard storage for your application

The amount of motion that a camera sees impacts the days of high quality video that can be retained. If your facilities see reduced activity on weekends, you should be able to retain even more high quality video. However, if a camera is placed in high motion (8–16 hours per day) or very high motion (16–24 hours per day) scenes, older periods of high motion video may not be stored at higher quality and may have compression artifacts. For that reason, we recommend cameras with more onboard storage for high or very high motion scenes.

For advanced users, the tables below can help determine the amount of onboard storage you may need for your specific applications, based on the amount of motion seen by the cameras and the desired days of high quality video. Note that the days of high quality video are estimates assuming default HQ bitrates. Actual days of high quality retention will vary based on settings enabled on your camera such as HQ bitrate, audio and analytics. Talk with our sales or support team to understand which Verkada camera works best for your application and request a free trial to evaluate any of our products in your own environment.

CD22, CD32, CD42, CD43, CD52, CD53, CH52-E¹, CH53-E¹, CY53-E², CB52-E, CB53-E, CB52-TE, CB53-TE, CM22, CM42

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	256GB	256GB	256GB	45 days	512GB	768GB	1TB
14 days	256GB	256GB	256GB	60 days	512GB	1TB	2TB
21 days	256GB	512GB	512GB	90 days	768GB	2TB	2TB
30 days	256GB	512GB	768GB	120 days	1TB	2TB	–

CD62, CF81-E, CB62-E, CB62-TE

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	512GB	512GB	512GB	45 days	1TB	2TB	2TB
14 days	512GB	512GB	512GB	60 days	1TB	2TB	–
21 days	512GB	1TB	1TB	90 days	2TB	–	–
30 days	512GB	1TB	2TB				

1. The CH52-E and CH53-E have four (4) camera heads. Settings on each head can be independently configured and motion will vary by angle and scene. Note that the amount of onboard storage required is per camera head.

2. The CY53-E has two (2) camera heads. Settings on each head can be independently configured and motion will vary by angle and scene. Note that the amount of onboard storage required is per camera head.

CD63, CB63-E, CB63-TE, CH63-E³, CY63-E⁴, CR63-E, CR63-TE, CF83-E

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	512GB	512GB	512GB	45 days	1TB	2TB	2TB
14 days	512GB	512GB	512GB	60 days	1TB	2TB	3TB
21 days	512GB	1TB	1TB	90 days	2TB	3TB	–
30 days	512GB	1TB	2TB	120 days	3TB	–	–

CD61, CB61-E, CB61-TE

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	384GB	384GB	384GB	45 days	1TB	2TB	2TB
14 days	384GB	384GB	1TB	60 days	2TB	2TB	–
21 days	384GB	1TB	1TB	90 days	2TB	–	–
30 days	1TB	1TB	2TB				

CM61, D80

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	256GB	256GB	256GB	30 days	512GB	768GB	–
14 days	256GB	512GB	512GB	45 days	768GB	–	–
21 days	256GB	512GB	512GB				

D30, D50

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	128GB	128GB	128GB	45 days	384GB	512GB	2TB
14 days	128GB	256GB	256GB	60 days	512GB	2TB	2TB
21 days	256GB	256GB	384GB	90 days	2TB	2TB	2TB
30 days	256GB	384GB	512GB	120 days	2TB	2TB	2TB

3. The CH63-E has four (4) camera heads. Settings on each head can be independently configured and motion will vary by angle and scene. Note that the amount of onboard storage required is per camera head.

4. The CY63-E has two (2) camera heads. Settings on each head can be independently configured and motion will vary by angle and scene. Note that the amount of onboard storage required is per camera head.



CD41, CD51, CB51-E, CB51-TE, CM41, CM41-E, CM41-S, D40, CM42-S

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	128GB	128GB	128GB	45 days	512GB	2TB	2TB
14 days	128GB	256GB	256GB	60 days	2TB	2TB	2TB
21 days	256GB	384GB	384GB	90 days	2TB	2TB	2TB
30 days	512GB	512GB	2TB	120 days	2TB	2TB	–

CD31

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	64GB	–	–

CP52-E with sentry mode not enabled

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	512GB	512GB	512GB	45 days	1TB	1.5TB	3TB
14 days	512GB	512GB	1TB	60 days	1TB	3TB	3TB
21 days	512GB	1TB	1.5TB	90 days	1.5TB	3TB	–
30 days	512GB	1TB	1.5TB				

CP52-E with sentry mode enabled 24/7

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)	days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	512GB	512GB	512GB	45 days	1.5TB	3TB	3TB
14 days	512GB	1TB	1TB	60 days	3TB	3TB	–
21 days	1TB	1TB	1.5TB	90 days	3TB	–	–
30 days	1TB	1.5TB	3TB				



CP63-E with sentry mode not enabled

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	1TB	1TB	1TB
14 days	1TB	2TB	2TB

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
30 days	2TB	3TB	-
45 days	3TB	-	-

CP63-E with sentry mode enabled 24/7

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
7 days	1TB	1TB	1TB
14 days	1TB	2TB	2TB
21 days	2TB	2TB	3TB

days of high quality video	Typical motion (0–8 hrs)	High motion (8–16 hrs)	Very high motion (16–24 hrs)
30 days	2TB	3TB	-
45 days	3TB	-	-

Customizing onboard storage and video quality using the onboard retention setting

Verkada cameras record high quality video only when there is motion detected. The onboard retention setting available in Command allows you to customize both onboard and cloud storage based on your retention policy as well as the motion seen by the camera. You can use the onboard retention setting to allocate more space for high quality video by lowering the number of days of standard quality video that will be stored on the device. Customers with cameras in high motion scenes such as main entrances and busy intersections can use this control to retain more high quality video. You can also use the slider to set retention to a fixed number of days for compliance requirements.

Device

Video Codec ⓘ H.265 ▾
H.265 offers a higher level of video quality than H.264.
Stream API will always serve footage in its originally recorded codec.

Onboard Retention (512 GB) Days of Retention **30**
Select the number of days of image and video stored on camera and in the cloud. Video will be recorded in adaptive quality (continuous normal quality and higher quality on motion, as available) up to the number of days selected. To learn more, check out our [Video Storage Blog](#).

HQ Video Bitrate Ultra ▾
Select the video quality setting for High Quality (HQ) video. Opting for higher video quality might reduce the amount of saved HQ video. Default HQ recording utilizes variable bitrate, adjusting based on the scene; scenes with high motion consume a higher bitrate. In contrast, other presets will utilize constant bitrate for HQ video. It's important to note that this setting does not affect SQ storage, and SQ video will be retained for 30 days.
For more information: [Adaptive Quality Recording](#)

Orientation Normal **Change**

Low Bandwidth Mode ☐
Reduce bandwidth consumed by camera. Image quality will be lowered. Timelapse and cloud backup cannot be used in this mode.

Timelapse ☐
Enable timelapse on the History page. This will consume additional bandwidth.

Real Time Streaming Protocol (RTSP) ⓘ ☐
Enable live video stream over local network for use in third party software or multimedia players and recorders. A maximum of 2 RTSP streams can be started at a time.



A camera's retention can be set anywhere from zero days of video retention (live-only mode) up to the maximum days of continuous video in standard quality using the onboard retention setting. The maximum days of standard quality retention for each camera SKU is listed below:

Model number	Onboard storage	Maximum days of retention
CB51-30E-HW	128GB	30 days
CB51-30TE-HW	128GB	30 days
CB51-365E-HW	2TB	365 days
CB51-365TE-HW	2TB	365 days
CB51-60E-HW	256GB	60 days
CB51-60TE-HW	256GB	60 days
CB51-90E-HW	384GB	60 days
CB51-90TE-HW	384GB	90 days
CB61-30E-HW	384GB	30 days
CB61-30TE-HW	384GB	30 days
CB61-60E-HW	1TB	60 days
CB61-60TE-HW	1TB	60 days
CB61-90E-HW	2TB	90 days
CB61-90TE-HW	2TB	90 days
CD22-256-HW	256GB	30 days
CD22-512-HW	512GB	60 days
CD22-768-HW	768GB	90 days
CD22-256E-HW	256GB	30 days
CD22-512E-HW	512GB	60 days
CD22-768E-HW	768GB	90 days
CD31-15-HW	64GB	15 days
CD31-15E-HW	64GB	15 days
CD41-120-HW	512GB	120 days
CD41-120E-HW	512GB	120 days
CD41-30-HW	128GB	30 days
CD41-30E-HW	128GB	30 days
CD41-365-HW	2TB	365 days
CD41-365E-HW	2TB	365 days
CD41-60-HW	256GB	60 days
CD41-60E-HW	256GB	60 days
CD41-90-HW	384GB	90 days
CD41-90E-HW	384GB	90 days

Model number	Onboard storage	Maximum days of retention
CD42-256-HW	256GB	30 days
CD42-256E-HW	256GB	30 days
CD42-512-HW	512GB	60 days
CD42-512E-HW	512GB	60 days
CD42-768-HW	768GB	90 days
CD42-768E-HW	768GB	90 days
CD42-1TB-HW	1TB	120 days
CD42-1TBE-HW	1TB	120 days
CD42-2TB-HW	2TB	365 days
CD42-2TBE-HW	2TB	365 days
CD43-256-HW	256GB	30 days
CD43-256E-HW	256GB	30 days
CD43-512-HW	512GB	60 days
CD43-512E-HW	512GB	60 days
CD43-768-HW	768GB	90 days
CD43-768E-HW	768GB	90 days
CD43-1TB-HW	1TB	120 days
CD43-1TBE-HW	1TB	120 days
CD43-2TB-HW	2TB	365 days
CD43-2TBE-HW	2TB	365 days
CD51-120E-HW	512GB	120 days
CD51-30-HW	128GB	30 days
CD51-30E-HW	128GB	30 days
CD51-365-HW	2TB	365 days
CD51-365E-HW	2TB	365 days
CD51-60-HW	256GB	60 days
CD51-60E-HW	256GB	60 days
CD51-90-HW	384GB	90 days
CD51-90E-HW	384GB	90 days



Model number	Onboard storage	Maximum days of retention
CD52-1TB-HW	1TB	120 days
CD52-1TBE-HW	1TB	120 days
CD52-256-HW	256GB	30 days
CD52-256E-HW	256GB	30 days
CD52-2TB-HW	2TB	365 days
CD52-2TBE-HW	2TB	365 days
CD52-512-HW	512GB	60 days
CD52-512E-HW	512GB	60 days
CD52-768-HW	768GB	90 days
CD52-768E-HW	768GB	90 days
CD53-256-HW	256GB	30 days
CD53-256E-HW	256GB	30 days
CD53-512-HW	512GB	60 days
CD53-512E-HW	512GB	60 days
CD53-768-HW	768GB	90 days
CD53-768E-HW	768GB	90 days
CD53-1TB-HW	1TB	120 days
CD53-1TBE-HW	1TB	120 days
CD53-2TB-HW	2TB	365 days
CD53-2TBE-HW	2TB	365 days
CD61-30-HW	384GB	30 days
CD61-30E-HW	384GB	30 days
CD61-60-HW	1TB	60 days
CD61-60E-HW	1TB	60 days
CD61-90-HW	2TB	90 days
CD61-90E-HW	2TB	90 days
CD62-30-HW	512GB	30 days
CD62-30E-HW	512GB	30 days
CD62-60-HW	1TB	60 days
CD62-60E-HW	1TB	60 days
CD62-90-HW	2TB	90 days
CD62-90E-HW	2TB	90 days
CD63-512-HW	512GB	30 days
CD63-512E-HW	512GB	30 days
CD63-1TB-HW	1TB	60 days
CD63-1TBE-HW	1TB	60 days

Model number	Onboard storage	Maximum days of retention
CD63-2TB-HW	2TB	90 days
CD63-2TBE-HW	2TB	90 days
CD63-3TB-HW	3TB	120 days
CD63-3TBE-HW	3TB	120 days
CM41-30-HW	128GB	30 days
CM41-30E-HW	128GB	30 days
CM41-60-HW	256GB	60 days
CM41-60E-HW	256GB	60 days
CM41-90-HW	384GB	90 days
CM41-90E-HW	384GB	90 days
CM41-120-HW	512GB	120 days
CM41-120E-HW	512GB	120 days
CM41-365-HW	2TB	365 days
CM41-365E-HW	2TB	365 days
CM41S-30-HW	128GB	30 days
CM41S-90-HW	384GB	90 days
CM42-256S-HW	256GB	30 days
CM42-768S-HW	768GB	90 days
CM61-30-HW	256GB	30 days
CM61-60-HW	512GB	60 days
CM61-90-HW	768GB	90 days
D30-120DAY-HW	512GB	120 days
D30-60DAY-HW	256GB	60 days
D30-90DAY-HW	384GB	90 days
D30-HW	128GB	30 days
D30W-HW	128GB	30 days
D40-120DAY-HW	512GB	120 days
D40-60DAY-HW	256GB	60 days
D40-90DAY-HW	384GB	90 days
D40-HW	128GB	30 days
D50-120DAY-HW	512GB	120 days
D50-60DAY-HW	256GB	60 days
D50-90DAY-HW	384GB	90 days
D50-HW	128GB	30 days



Model number	Onboard storage	Maximum days of retention
CF81-30E-HW	512GB	30 days
CF81-60E-HW	1TB	60 days
CF81-90E-HW	2TB	90 days
CF83-512E-HW	512GB	30 days
CF83-1TB-HW	1TB	60 days
CF83-2TB-HW	2TB	90 days
CF83-3TB-HW	3TB	120 days
CH52-1TB-HW	1TB	30 days
CH52-2TB-HW	2TB	60 days
CH52-4TB-HW	4TB	120 days
CH52-8TB-HW	8TB	365 days
CH53-1TB-HW	1TB	30 days
CH53-2TB-HW	2TB	60 days
CH53-3TB-HW	3TB	90 days
CH53-4TB-HW	4TB	120 days
CH53-8TB-HW	8TB	365 days
CH63-2TB-HW	2TB	30 days
CH63-4TB-HW	4TB	60 days
CH63-6TB-HW	6TB	90 days
CH63-8TB-HW	8TB	120 days
CY53-512E-HW	512GB	30 days
CY53-1TB-HW	1TB	60 days
CY53-1P5TB-HW	1.5TB	90 days
CY53-2TB-HW	2TB	120 days
CY53-4TB-HW	4TB	365 days
CY63-1TB-HW	1TB	30 days
CY63-2TB-HW	2TB	60 days
CY63-3TB-HW	3TB	90 days
CY63-4TB-HW	4TB	120 days
CM22-256-HW	256GB	30 days
CM22-512-HW	512GB	60 days
CM22-768-HW	768GB	90 days
CM42-256-HW	256GB	30 days
CM42-512-HW	512GB	60 days
CM42-768-HW	768GB	90 days
CM42-1TB-HW	1TB	120 days
CM42-2TB-HW	2TB	365 days

Model number	Onboard storage	Maximum days of retention
D50W-HW	128GB	30 days
D80-60DAY-HW	512GB	60 days
D80-90DAY-HW	768GB	90 days
D80-HW	256GB	30 days
CB52-256E-HW	256GB	30 days
CB52-512E-HW	512GB	60 days
CB52-768E-HW	768GB	90 days
CB52-2TB-HW	2TB	365 days
CB62-512E-HW	512GB	30 days
CB62-1TB-HW	1TB	60 days
CB62-2TB-HW	2TB	90 days
CB52-256TE-HW	256GB	30 days
CB52-512TE-HW	512GB	60 days
CB52-768TE-HW	768GB	90 days
CB52-2TBTE-HW	2TB	365 days
CB62-512TE-HW	512GB	30 days
CB62-1TBTE-HW	1TB	60 days
CB62-2TBTE-HW	2TB	90 days
CB53-256E-HW	256GB	30 days
CB53-512E-HW	512GB	60 days
CB53-768E-HW	768GB	90 days
CB53-1TB-HW	1TB	120 days
CB53-2TB-HW	2TB	365 days
CB63-512E-HW	512GB	30 days
CB63-1TB-HW	1TB	60 days
CB63-2TB-HW	2TB	90 days
CB63-3TB-HW	3TB	120 days
CB53-256TE-HW	256GB	30 days
CB53-512TE-HW	512GB	60 days
CB53-768TE-HW	768GB	90 days
CB53-1TBTE-HW	1TB	120 days
CB53-2TBTE-HW	2TB	365 days
CB63-512TE-HW	512GB	30 days
CB63-1TBTE-HW	1TB	60 days
CB63-2TBTE-HW	2TB	90 days
CB63-3TBTE-HW	3TB	120 days

Note: Decreasing the slider leads to historical video, thumbnails, and other captured artifacts to be deleted from the camera as well in the cloud. This is an irreversible action. Note that deletion is not instant and can take a few hours to complete. Be sure to consider the impact of using the onboard retention setting on your recorded video, and ensure that you have any important video archived and/or downloaded to prevent loss of data from changing the configuration. Contact Verkada Support for specific questions or guidance.



Model number	Onboard storage	Maximum days of retention
CD32-256-HW	256GB	30 days
CD32-512-HW	512GB	60 days
CD32-768-HW	768GB	90 days
CD32-256E-HW	256GB	30 days
CD32-512E-HW	512GB	60 days
CD32-768E-HW	768GB	90 days
CR63-512E-HW	512GB	30 days
CR63-1TB-E-HW	1TB	60 days
CR63-2TB-E-HW	2TB	90 days
CR63-3TB-E-HW	3TB	120 days
CR63-512TE-HW	512GB	30 days
CR63-1TBTE-HW	1TB	60 days
CR63-2TBTE-HW	2TB	90 days
CR63-3TBTE-HW	3TB	120 days

Model number	Onboard storage	Maximum days of retention
CP52-512E-HW	512GB	30 days
CP52-1TB-E-HW	1TB	60 days
CP52-1P5TB-E-HW	1.5TB	90 days
CP52-3TB-E-HW	3TB	180 days
CP63-1TB-E-HW	1TB	30 days
CP63-2TB-E-HW	2TB	60 days
CP63-3TB-E-HW	3TB	90 days

Note: Decreasing the slider leads to historical video, thumbnails, and other captured artifacts to be deleted from the camera as well in the cloud. This is an irreversible action. Note that deletion is not instant and can take a few hours to complete. Be sure to consider the impact of using the onboard retention setting on your recorded video, and ensure that you have any important video archived and/or downloaded to prevent loss of data from changing the configuration. Contact Verkada Support for specific questions or guidance.



Impact of storage slider on free cloud backup

Except for the CD31, which is no longer for sale, all Verkada cameras come with a 30 day cloud backup option. The CD31 comes with 15 days of free cloud backup, with the option of purchasing an extended cloud backup for 60, 90, 120 and 365 days. If you use the free cloud backup option, and also modify the onboard retention setting, cloud backup retention will be updated to match the onboard retention setting. Specifically, all backed up video **after** the change on onboard retention setting will be retained for the duration of the new onboard retention setting, but any existing backed up video **before** the change will be retained for the original duration of 30 days. If you have purchased any of the extended cloud backup features, changing the onboard retention setting will **not** change the duration of video backed up in the cloud.

