

How Much Minimum Recording Time Do You Need for Your Mobile Video System?

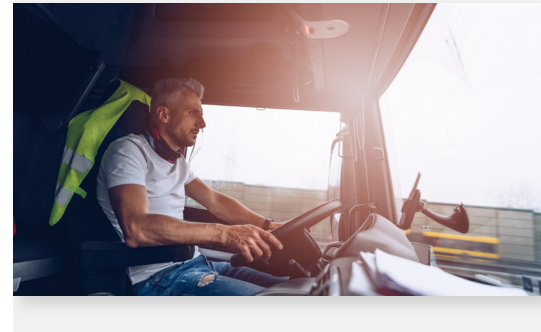
One of the first steps you'll need to take when outfitting your fleet with mobile video solutions is to figure out how much storage space you'll need. The general rule is the more cameras on a vehicle, the more storage you will need before the DVR begins recording over previously recorded footage.

Let's look at some common setups and see the minimum recording time we can achieve with each setup. Remember, these are minimum recording times; you'll most likely get more time in real-world scenarios.

Three-Camera Mobile Video System

A three-camera setup is the most basic setup. It generally involves two cameras mounted on either side of the vehicle, as well as a backup camera mounted on the rear. Other common setups include a forward-facing camera mounted on the windshield instead of the rear camera. Examples of vehicles that might use this setup include a utility vehicle or a delivery truck.

Recording at a bitrate of 2,000 kilobits per second for eight hours a day for five days per week, you can expect to get the following minimum recording times for each storage size (gigabyte/terabyte and SD card and solid-state drive).



Three Cameras	
Storage Space	Minimum record time
32GB SD	1 day, 3 hours
64GB SD	2 days, 7 hours
128GB SD	1 week, 7 hours
256GB SDXC	2 weeks, 1 day, 6 hours
500 GB SSD	4 weeks, 3 days, 5 hours
1TB SSD	9 weeks, 1 day, 2 hours
2TB SSD	18 weeks, 2 days, 4 hours



continued

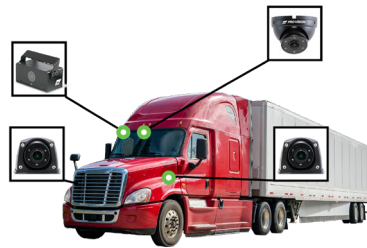


Four-Camera Mobile Video System

A four-camera setup generally includes a forward-facing camera, two side cameras and a rear camera, covering the entire exterior of the vehicle. Other setups include an in-cab camera to monitor driver behavior instead of either the rear camera or the forward-facing camera. Vehicle examples include delivery trucks, concrete trucks or waste trucks.

Recording at the same bitrate and same amount of time, here are the minimum recording times.

Four Cameras	
Storage Space	Minimum record time
32GB SD	1 day
64GB SD	2 days, 1 hour
128GB SD	4 days, 3 hours
256GB SDXC	1 week, 3 days, 7 hours
500GB SSD	3 weeks, 2 days, 6 hours
1TB SSD	6 weeks, 4 days, 5 hours
2TB SSD	13 weeks, 4 days, 4 hours



Five-Camera Mobile Video System

A mobile video solution with a fifth camera can include a dashcam that records not only what the driver is seeing but also records the driver in the vehicle's cab. A configuration for a police department could include an interior camera that records the backseat, and a tow truck could use a fifth camera to monitor the bed. Recording at the same bitrate and same amount of time, here are the minimum recording times.

Five Cameras	
Storage Space	Minimum record time
32GB SD	7 hours
64GB SD	1 day, 6 hours
128GB SD	3 days, 4 hours
256GB SDXC	1 week, 2 days
500 GB SSD	2 weeks, 4 days, 6 hours
1TB SSD	5 weeks, 2 days, 6 hours
2TB SSD	11 weeks, 4 hours



continued



Other Mobile Video System Setups

Of course, these are some of the more common setups. School and transit buses could have up to nine cameras, and some other companies or industries might need custom configurations designed specifically for them.

Another thing to consider is some of the above examples might not even need to record for eight hours a day for five days per week. A utility vehicle, for example, would only need to record while the vehicle is moving from job site to job site. A school bus will only need to record when picking up children in the morning and dropping them off in the afternoon. There are hundreds of combinations suited for any industry.

About Pro-Vision

Founded in 2003, Pro-Vision is a leading video technology solutions provider trusted by thousands of organizations in 58 countries. Pro-Vision solutions include vehicle video recording systems, body-worn cameras, data management and cloud-based storage solutions. Pro-Vision's transit, law enforcement and commercial partners utilize these solutions to enhance safety, increase productivity and protect critical assets.



PRO·VISION VIDEO SYSTEMS

8625 Byron Commerce Dr. SW • Byron Center, MI 49315 • USA

p: 616.583.1520 • marketing@provisionusa.com