

Service only compatible with our 1080P 4G WIFI 3 Cam DVR System with the option to add up-to 5 cameras

FALCON ELECTRONICS

WWW.DASHCAM.CO

NETWORK DATA INFORMATION

What is the difference between our unlimited plan and other providers selling unlimited plans?

We get this question all the time, here it is, we have complete control of the speed and the amount of data you can use. Other providers are selling you faith based cellular plans that offer 22GB of high-speed data and then can go slower after congestion. The reason that it does not go slower quicker on our data service is that we keep the tower to be congested that allows the service to go on for a bit longer before being throttled down. Prices includes all taxes, fees, line charges, etc.

The North America 4G LTE Network:

LTE as known as Long Term Evolution, is considered a “true and current standard” for wireless data transmission in the United States. [Falcon Electronics](#), WWW.DASHCAM.CO, has partnered with a T-Mobile USA and AT&T Wireless 3rd party provider to offer Internet services to our customer that travel in Rural America.

[Falcon Electronics](#) WWW.DASHCAM.CO uses LTE in 90% of its data services and provides current speeds of up to 20MBS Download. However, LTE theoretical speeds boast downlink speeds of 150Mbps and uploads of 50Mbps. LTE, which is an IP-based system, is a complete redesign and simplification of 3G network architecture resulting in a marked reduction in transfer latency.

WHAT IS DATA LATENCY?

Latency is how long it takes to send a signal over the link measured in milliseconds. Throughput is a term used to define the measure of the capacity of the link such as 10Mbps. Even at the speed of light, which wireless travels at, there is an inherent “satellite delay” with satellite Internet service that fixed wireless providers such as [Falcon Electronics](#) WWW.DASHCAM.CO doesn't have.

Satellite's latency or perceived speed is almost 20 times slower than a land-based service such as [Falcon Electronics](#) WWW.DASHCAM.CO. Primarily because the [Falcon Electronics](#) WWW.DASHCAM.CO signal is travelling a fraction of the miles compared to satellite links.

WHAT ARE DATA CAPS?

A huge issue with satellite Internet is data caps. Data caps are when the service provider either slows your connection or **charges you for extra usage of data**. When evaluating a satellite service makes sure you check their terms of service because satellite services generally have the strictest terms of usage in the industry. Their data allotments are low and strictly enforced which means you have no Internet in a very short period of time.

Data caps are a very real concern if you are watching Netflix or other streaming video. According to Netflix an HD stream can use up to 2.8GB of data per hour. If you have a 10GB monthly data cap, **that transfer limit can be reached within roughly 3.5 hours**. Then you are paying expensive overage fees, potentially up to \$15 per each additional 1GB.

AFFECTS OF SEVERE WEATHER

Inclement weather can really affect satellite service. It is common for very overcast or stormy days to cause problems for satellite television, sometimes causing a loss in picture quality and sometimes causing a lost signal altogether. The same problem occurs with satellite Internet service.

With **Falcon Electronics** WWW.DASHCAM.CO we are not normally affected by severe weather and continue to deliver quality Internet services beyond the storm, Remember we are land based provider and our towers are only a few miles away.

The Bottom Line:

Falcon Electronics WWW.DASHCAM.CO and the North American LTE network is simply the foundation for stable Rural American Internet for many years to come. LTE, also considered 4G, is the most advanced telecommunications technology currently available, and **Falcon Electronics** WWW.DASHCAM.CO along with its data partners defines a clear path towards future developments, making **Falcon Electronics** WWW.DASHCAM.CO the most attractive choice for a service provider. The biggest question is what are you waiting for, switch to **Falcon Electronics** WWW.DASHCAM.CO!

Our plan offers guaranteed higher data speeds during your usage allotment period. After usage allotment customers can use as much data they need during the reduced speed allotment.

*Plans are NOT speed limited, which allows for higher download / upload speeds.

Plans can display up to 1080p HD quality on demand, but higher quality may be obtained. Video quality is not 100% guaranteed. Customers can switch plans at any time to higher or lower tiered allotment data plans and pay the difference or prorated difference for the new plan cost.

1000MB = 1GB

Estimated MDVR data usage

Playback options from IP Server:

"Terminal Device"--when you click this, the system will search in the device storage part to find the suitable videos as you want to check and then upload to the platform. This option needs the device **online.** Playback using File Source "Terminal Device" 1 hour video file

- 1 hour of recording = 60MB
- 24 hours of recording = 1,440MB or close to 1.5GB
- 30 days of recording = 43,200MB or 43GB and 200MB

"Terminal Upload"--when you click this, the system will search in the device storage part to find the suitable videos as you want to check. Then it will be upload to the server via the FTP and saved in the server. So this option needs the device **online as well and we usually use the first option to make the videos saved in the PC.**

Playback using File Source "Terminal Upload" 1-minute video file downloaded in Mp4 format using VLC Player

- 1 min of recording = 30MB
- 1 hour of recording = 1,800MB or near 2GB
- 24 hours of recording = 48GB
- 30 days of recording = 43,200MB or 43GB and 200MB

"Platform Record"--when you click this, the system will search in the platform which like Video cache saved in the browser like the second pic shows below. So this option **doesn't need the device online.** Playback using File Source "Platform Record" 1 hour video file downloaded in Mp4 format using VLC Player

1. 1 hour of recording = 13MB
2. 24 hours of recording = 312 MB
3. 30 days of recording = 9,360 MB or 9GB and 360MB

Length of Recording Time based on camera resolution settings:

1 camera recording at 1 hour of saved recordings based on resolution:

- CIF = 0.22 GB
- D1 = 0.88 GB
- 720P = 1.32 GB
- 1080P = 2.25 GB

Based on this you can calculate what is your ideal storage size.

Example- FIVE (5) 1080P cameras recording time frame of 10 hours a day & recording for 5 days=562.5 GB (2.25GB an hour x 10hours daily x 5 days)

- 2 weeks need $562.5 * 2 = 1125$ GB
- 4 weeks need $562.5 * 4 = 2250$ GB.

**number of recorded hours vary based on how many cameras are recording and the resolution settings Video will continuously loop record based on the size of memory included. Once it starts to loop record, it will delete old video with new video. It will not record over G-Sensor protected videos.*

CLICK ON THE LINK TO LEARN WHICH AT&T PLAN FIT YOUR NEEDS:

[UNLIMITED ATT 95 PLAN](#)

[UNLIMITED ATT 120 PLAN](#)

[UNLIMITED ATT160 PLAN](#)

CLICK ON THE T-MOBILE LINK TO LEARN MORE:

[UNLIMITED T-MOBILE PLAN](#)