

We have one camera in our line-up that has High-Speed capabilities:

### The Casio Exilim EX-F1



The Exilim can shoot video at up to 1,200 FPS which will give you true slow motion at just over 40 times slower than real-time.

By comparison, an iPhone X can film at 240 FPS, which is just under 10 times slower than real-time.

Just remember that the higher the FPS, the more light you need for a clear picture. If you need something with higher frame rate capabilities, we likely don't have it and you might want to look into purchasing a high speed camera for yourself... though they are quite expensive.

To access the Exilim's high-speed mode, it's as easy as flipping a switch:

**STD** represents Standard Definition

**HD** represents High Definition

**HS** represents High-Speed



There are a lot of factors that go into how much video can fit onto an SD card. High-Definition (720p and above) takes up a lot more space than Standard Definition (below 720p). However, the difference in file size between 720p and 1080p is also fairly sizeable.

You can record about 90 minutes of 1080p (1,080 x 1,920) “Full HD” video on a 32GB SD Memory Card. If you reduce the resolution to 720p (720 x 1,280) “HD Ready”, you’ll get closer to 200 minutes of recording time on a 32GB Card.

The biggest factor for storage space of video is actually bitrate, as in how many bits per second your video is recorded at.

So if your device records at 32 Megabit/second, which is a very high bit rate, it will require 32 Megabit/s or 4 MB/s (MegaBytes, 1/8 of the bit count) per second. So with 32 GB, or 32000 MB, you have  $32000 / 4 = 8000$  seconds of capacity.

With a bit rate of 4 Megabit/s (0.5 MB/s) you have  $32000 / 0.5 = 64000$  seconds or roughly 17.8 hours.

Most of our cameras record at multiple bitrates depending on the resolution and aspect ratio. So there really isn’t a good answer for how much time can fit on the SD card. However, you should get close to the standards above if you are using the basic option for each camera.

<h1>HOW MANY PICTURES OR VIDEOS CAN I TAKE AND STORE</h1> <p>with 16 megapixel (MP) MILs/DSLRs and point &amp; shoot cameras</p>			
CAPACITY <sup>1</sup>	16MP PHOTOS <small>(7MB File Size)</small>		4K Ultra HD Video <small>(MPEG-4/MP4, MOV, 3840x2160 @25 FPS)</small>
<b>16</b> GB	1,000 PHOTOS	<b>AND</b>	14 MINUTES
<b>32</b> GB	2,000 PHOTOS	<b>AND</b>	28 MINUTES
<b>64</b> GB	4,000 PHOTOS	<b>AND</b>	56 MINUTES
<b>128</b> GB	8,000 PHOTOS	<b>AND</b>	112 MINUTES
<b>256</b> GB	16,000 PHOTOS	<b>AND</b>	224 MINUTES
<b>512</b> GB	32,000 PHOTOS	<b>AND</b>	448 MINUTES

1. Approximations: results and 4K Ultra HD (3840x2160) and Full HD (1920x1080) video support may vary based on host device, file attributes and other factors. 1GB = 1,000,000,000 bytes. Actual user storage less.

# Continuous Shooting Times

(Approximations)

## Canon EOS 7D

Approx. 96 min. (Full HD); 96 min. (HD); 192 min. (SD)  
Based on Canon's testing standards using a 32GB card.

## Canon EOS T7i

If the recording time reaches 29 min. 59 sec., the movie shooting stops automatically. Movie shooting does not stop automatically even if the file size reaches 4GB.

## Canon EOS T6i

If recording time reaches 29 min. 59 sec., movie shooting stops automatically.

## Canon EOS T5i and T4i

Based on 32GB Memory Card

Full HD: 88 min.  
HD: 88 min.  
SD: 368 min.

## Canon Vixia HF S100 HD

32GB SDHC Memory Card  
LP (5 Mbps) 12 hours 15 min  
SP (7 Mbps) 9 hours 35 min  
XP+ (12 Mbps) 5 hours 45 min  
FXP (17 Mbps) 4 hours 10 min  
MXP (24 Mbps) 2 hours 55 min

## Canon XL2 3CCD DVC

Maximum Recording Time 80-120 min.

## Canon XL H1A 3CCD VCR

Maximum Recording Time 60-90 min

## Canon XL H1 3CCD VCR

Maximum Recording Time 80-120 min.

## Sony HDR-SR11

Based on 60GB hard drive  
AVCHD: 430 min.  
HD: 1370 min.  
SD+: 880 min.  
SD: 2510 min.

## Sony HDR-CX550

Based on 64GB hard drive  
HDFX: 360 min.  
HDFH: 465 min.  
HDLP: 1595 min.  
SD High Quality: 965 min.

## Sony HDR-CX560V

Based on 64GB hard drive  
HD: 1560 min.

## Sony HDR-CX580V

Based on 32GB Internal Flash Memory  
HD PS: 140 min.  
HD FX: 165 min.  
HD FH: 225 min.  
HD HQ: 400 min.  
HD LP: 695 min.  
SD High Quality: 415 min.

## Sony HDR-CX760

Based on 94GB Internal Flash Memory  
HD PS: 460 min.  
HD FX: 945 min.  
HD FH: 745 min.  
HD HQ: 1325 min.  
HD LP: 2320 min.  
SD High Quality: 1385 min.

## JVC ProHD GY-HM100U

Based on 64GB SD Card  
HD High Quality: 200 min.  
HD: 280 min.  
SD: 360 min.

## JVC ProHD GY-HM710U

Based on 64GB SD Card  
HD High Quality: 140 min.  
HD: 100 min.  
SD: 120 min.