

Reference Tables

Approximate recording times

The camcorder uses a variable bit rate (VBR) to encode video so the actual recording times will vary depending on the subject. The following table shows the approximate recording times for a single recording operation until the indicated SD card becomes full.

Resolution (bit rate)	SD card				
	8 GB	16 GB	32 GB	64 GB	128 GB
3840x2160 (150 Mbps)	5 min.	10 min.	25 min.	55 min.	110 min.
1920x1080 (35 Mbps)	25 min.	55 min.	115 min.	240 min.	485 min.
1920x1080 (17 Mbps)	55 min.	120 min.	245 min.	495 min.	995 min.
1280x720 (8 Mbps)	120 min.	255 min.	520 min.	1,055 min.	2,120 min.

Charging, Recording and Playback Times

The charging times given in the following table are approximate and vary according to charging conditions and initial charge of the battery pack.

Battery pack→	BP-820	BP-828
Charging conditions↓		
Using the PD-E1 USB Power Adapter	210 min.	300 min.
Using the CG-800 Battery Charger*	190 min.	260 min.

* When using the CG-800 Battery Charger, an ambient temperature between 10 °C and 30 °C (50 °F and 86 °F) is recommended. For safety reasons, charging outside of the recommended temperature range may result in considerably longer charging times. Charging will not start if either the battery or ambient temperature is outside of an approximate 5 °C to 35 °C (41 °F to 95 °F) range.

Recording and playback times given in the following tables are approximate and vary according to video configuration and charging, recording or playback conditions. The times are based on using the LCD screen. The effective usage time of the battery pack may decrease when recording in cold surroundings, when using the brighter screen settings, etc.

Video configuration		Usage conditions	Battery pack	
Resolution (bit rate)	Frame rate		BP-820 (supplied)	BP-828 (optional)
3840x2160 (150 Mbps)	29.97P	Recording (maximum)	170 min.	250 min.
		Recording (typical)*	95 min.	145 min.
		Playback	255 min.	375 min.
1920x1080 (35 Mbps)		Recording (maximum)	200 min.	290 min.
		Recording (typical)*	110 min.	170 min.
		Playback	290 min.	420 min.
1280x720 (8 Mbps)	59.94P	Recording (maximum)	170 min.	255 min.
		Recording (typical)*	95 min.	145 min.
		Playback	300 min.	450 min.

* Approximate times for recording with repeated operations such as start/stop, zooming, and power on/off.