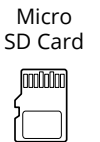
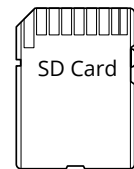




I'VE GOT A DASH CAM...BUT WHICH CARD DO I USE? PART 1*

CARD TYPES

Memory cards come in a range of physical sizes. The two most common physical sizes are SD cards (full size) and Micro SD cards (also referred to as TF cards or Trans Flash cards).



CAPACITY

Every dash cam can only read memory cards with a capacity that falls within a specific range. Before buying a memory card, check the minimum and maximum supported capacity of your dash cam. The capacity is usually specified in GB (Gigabytes). Any memory card with a capacity between 4GB and 32GB is referred to as a SDHC card. Any memory card with a capacity between 64GB and 2TB (2,000GB) is referred to as a SDXC card. Larger memory cards can store more hours of recorded data before old files are overwritten, which reduces the number of times that the card is cycled, thereby extending the life of the memory card. (see 'REWRITE CYCLES' in PART 2, in the next issue). The hours of recording per GB is determined by the bit rate of the dash cam.



SPEED CLASS

Dash cams can only write to a memory card if the speed class of the memory card is equal to or greater than the required speed class of the dash cam. Speed class is the minimum write speed that a memory card is capable of achieving. The higher the resolution of the dash cam, the higher the speed class of the memory card needs to be. There are 3 different kinds of speed classes; Speed Class (original), Speed Class UHS and Video Speed Class. On a memory card with the Speed Class (original) label, a number inside a "C" will be printed on the card. On a memory card with the Speed Class UHS label, a number inside a "U" will be printed on the card. On a memory card with the Video Speed Class label, the letter "V" followed by a number will be printed on the card. Memory cards with the same minimum write speed from different speed classes can be used interchangeably. For instance, Speed Class C10, Speed Class UHS U1 and Video Speed Class V10 all have the same minimum write speed; so a dash cam that specifies Speed Class 10 as a minimum requirement can also use memory cards that are Speed Class UHS U1 (or higher) or Video Speed Class V10 (or higher).

Minimum Sequential Write Speed	Speed Class			Corresponding Video Format
	Speed Class	UHS Speed Class	Video Speed Class (NEW)	
Card Image				The necessary speed varies by each recording / playback device condition, even in the same format.
90MB/sec			V90	
60MB/sec			V60	
30MB/sec		U3	V30	
10MB/sec	C10	U1	V10	
6MB/sec	C6		V6	
4MB/sec	C4			
2MB/sec	C2			

Source: Speed Class chart: https://www.sdcard.org/consumers/choices/speed_class/index.html

*Stay tuned for **PART 2** in the next issue!

> REWRITE CYCLES, ENDURANCE & MAINTENANCE