

- ▶ What is UHS?
 - UHS stands for "Ultra High Speed." It is the name of the new high-speed SD bus interface defined by SD 3.0 specification. Increased maximum bus speed allows cards and hosts to perform at a higher speed, communicating how fast you can write data to your card.
- ▶ Why is UHS technology important?
 - The increase in bus speed allows for faster communication between the host and the card, improving the performance of continuous burst mode. It allows you to capture full HD video and allows for faster content transfer to your computer.
- ▶ What is the specification speed?
 - SD 2.0: Maximum 25MB/s bus speed
 - UHS I: Maximum 104MB/s bus speed
- ▶ What are UHS-I cards? How do I identify them?
 - If an SD card is based on UHS specification, it will be labeled as a "UHS-I SDHC card."
 - Cards can also be labeled with "SDHC-I" or "SDXC-I" symbols.



- ▶ Is there a speed class for video recording associated with this new UHS card as there is for legacy SD/SDHC cards?
 - The UHS Speed Class 1 is defined by a new mark: **U1**. This mark designates SD memory cards that have the performance option designed to support real-time video recording. The U1 mark shows that a card meets the minimum sustained video recording speed of 10MB/s and is capable of recording full HD video.
- ▶ What cameras or camcorders are compatible with this card? How fast will it perform in non-UHS hosts?
 - The card is compatible with any device that features an SDXC card slot. In non-UHS hosts, the card will perform to the maximum performance of the host device.

- ▶ Are UHS cards backwards compatible?
 - Yes, UHS-I SDHC cards are fully backwards compatible with standard SDHC/SDXC host devices.
- ▶ What is the difference between Class 10 and Class U1 (UHS Speed Class 1)?
 - Defined under the SD 2.0 designation, class ratings (e.g. Class 4 and Class 10) are video performance measurements that refer to a card's minimum sustained write speed. U1 (UHS Speed Class 1) performance is based on the new SD 3.0 specification, and it indicates that a card is capable of a 10MB/s sustained write speed. U1 is similar to class 10, but the testing criteria are different. Also, U1 has higher potential for recording real-time broadcasts and capturing large HD videos.
- ▶ Are all UHS-I cards the same as U1 cards?
 - No, only cards capable of 10MB/sec sustained write speeds carry the U1 symbol. A UHS-I card with less than 10MB/sec sustained write speeds will not carry a U1 symbol.