

Video Storage Classifications The Need for Standardization and Collaboration

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Flash-based products for many different markets on many different scales







Impact is huge and we're reaching new levels now:

- 4K is the norm
- 8K on the rise
- HDR on the rise
- VR on the rise

Not all SSDs are good for content creation and not all content needs are the same





A Disconnect Between Storage and Video Industries

- Lack of full-scale collaboration
- No unifying compatibility and qualification testing standards
- Customers bear the final burden which isn't good for any of us





	SD			CF
	Speed Class	UHS Speed Class	Video Speed Class	VPG Profile
2MB/s	Class 2			
4MB/s	Class 4			
6MB/s	Class 6		V6	
10MB/s	Class 10	Class 1 (U1)	V10	
20MB/s				VPG 1
30MB/s		Class 3 (U3)	V30	
60MB/s			V60	
65MB/s				VPG 2
90MB/s			V90	
130MB/s				VPG 3

- Compact Flash Association
 - Video Performance
 Guarantee (VPG) Profiles
- SD Association
 - Speed Class, UHS Speed Class, and the new Video Speed Class





The goals:

- Making it easier for storage industry to test, qualify, and market storage
- Making it easier for video industry to clearly communicate storage needs
- Making it easier for customers to get what they need

The needs:

- Identify key video performance requirements
- Establish testing standards for performance requirements
- Classifications based on realworld performance

