

Next Generation of Multi-File Video Recording

The most beautiful memories deserve preservation with the highest video specifications! Apacer SD 5.0 UHS-I card series are equipped with multiple protections and high durability to ensure uninterrupted video recording in the harsh environments. By complying with SD Association's latest 5.0 (Video Speed Class 30) standard and the UHS-I (Ultra High Speed – I) standard, the demand for 4K video recording has been escalating as sports and aerial photography has become a fashion in recent years. The SD cards are highly tailored for 4K video recording to significantly reduce file transmission time.

The SD 5.0 Video Speed Class standard is a recently announced standard by the SD specification association delivers real-time multi-file recording for many applications and supports the highest video resolutions and qualities available today.

Apacer SD 5.0 UHS-I series comes in various capacities, offering the right memory space for precious pictures and videos.

Applications



- IP Cam
- Extreme Sports Camera
- 4K Digital Recorder
- Surveillance equipment

Features:

- Supports SD System Specification Version 5.0
- Supports SDHC up to 32 GB; SDXC up to 2 TB;
- Video Speed Class 30 (minimum transfer speed over 30MB/s), ideal for High Resolution
- Supports Ultra HD videos
- UHS-I: Ultra High Speed-I
- ECC



General Product Specifications

Specifications	
Interface	SD Specification Version 5.0
Interface speed	<div style="text-align: center;">  Video Speed Class 30  (Indicate Speed Class 3 on UHS-I Interface) </div>
Capacity*	32GB-256GB
Form Factor	SDHC or SDXC
Protection	Write Protect mechanical switch
Operating Voltage	2.7V to 3.6V
Dimensions	(L)32 x (W)24 x (H)2.1 mm
Temperature	Operating -25°C to 85°C
	Storage -40°C to 85°C
Humidity	Operating: RH=93% under 25°C non-condensing
	Storage: RH=93% under 40°C non-condensing
Drop test**	1.5m free fall
Torque test**	0.15N-m or ±2.5 deg.
Switch Cycles test	Slide 0.4N to 5N
Warranty	Limited product lifetime warranty
Certifications	RoHS, CE, FCC, VCCI, RCM

*Unformatted. Theoretically, 1GB=1,000,000,000 Bytes. Under operating systems, the capacity might appear to be less than the theoretical capacity because the calculation in OS is based on 1 GB = 1024 MB / 1MB =1024KB and a minority of the capacity is reserved for maintenance purposes.

**Drop test and Torque test results are subject to change without notice

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Apacer
Access the best

Front side of the CONTACT PAD area thickness

Detail L: Dimensions include $+0.08$, $1.25 - 0.07$, 90° , $\pm 5^\circ$, and $2-R0.2MAX.$. Reference to Note 10.

Detail G: Dimension 0.75 .

Detail J Note 4: Dimensions include $6^\circ MAX.$ and $6^\circ MAX.$.

Space of PCB and Card Case: Dimensions include $0 MIN.$, $2-11^\circ MAX.$, $R0.30$, 1.40 ± 0.15 , 0.20 ± 0.20 , and $0.10MAX.$. Reference to Note 5 & 6.

Detail I: Dimensions include $+0.2$, $1.40 - 0.1$, and $2-R0.30$. Reference to Note 6 & 7.

CONTACT PAD area thickness: Dimensions include $+0.2$, $1.40 - 0.1$, and $2-R0.30$. Reference to Note 6 & 7.

(Note 9): Shows a perspective view of the card body with dimension $0.42MAX.$.

Main Assembly View: Dimensions include $22.50 - 0.10$, $0.00 - 0.10$, 0.70 , 0.2 , 0.60 , 0.70 , 1.40 ± 0.15 , 2.10 ± 0.15 , $4-R0.30$, $Card Body Corner 8.125$, $6x2.5=5.00$, $5.65MIN.$, $5.95MIN.$, 7.80 , 6.70 , 31.00 ± 0.10 , 24.00 ± 0.10 , $2-R0.50 \pm 0.10$, 11.50 , 10.30 , $7.95MIN.$, $7.65MIN.$, 4.5 , G , H , I , L , $3-R1.00 \pm 0.10$, and $2-R0.50$.

General Tolerance ± 0.15

SD Card 5.0
APXXXXSDHC10U7-X / APXXXXSDXC10U7-X



Ordering Information

Speed	Capacity	P/N
UHS-I U3 V30	32GB	AP32GSDHC10U7-X
	64GB	AP64GSDXC10U7-X
	128GB	AP128GSDXC10U7-X
	256GB	AP256GSDXC10U7-X

Revision History

Version	Description	Date
1.0	Preliminary release	2019/04/24

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