



- Compliant with SD Memory Card Specification 3.0 and backwards-compatible with 2.0, 1.1, and 1.01
- High endurance suitable for 24/7 continuous video recording
- Steady performance design to ensure all frames are recorded
- Supports SP Toolbox SMART Health Monitoring System software (optional)



Model	SDT5R0	SDT530	SDT3R0	SDT330	SDT320
Flash Technology	pSLC (3D TLC)	pSLC (MLC)	3D TLC	MLC	MLC / 3D TLC
Interface	SD 3.0 / UHS-I	SD 3.0 / UHS-I	SD 3.0 / UHS-I	SD 3.0 / UHS-I	SD 3.0 / UHS-I
Capacity	8GB ~ 64GB	4GB ~ 64GB	32GB ~ 256GB	8GB ~ 128GB	8GB ~ 128GB
Seq. Performance Read (max.)	93 MB/s	81 MB/s	93 MB/s	81 MB/s	81 MB/s
Seq. Performance Write (max.)	80 MB/s	46 MB/s	80 MB/s	46 MB/s	46 MB/s
Power Requirement	DC 3.3V	DC 3.3V	DC 3.3V	DC 3.3V	DC 3.3V
Power Consumption (max.)	100 mA	191 mA	100 mA	191 mA	58 mA
Power Consumption (idle)	300 uA	292 uA	300 uA	292 uA	90 uA
Dimension (mm)	15.0 x 11.0 x 1.0	15.0 x 11.0 x 1.0	15.0 x 11.0 x 1.0	15.0 x 11.0 x 1.0	15.0 x 11.0 x 1.0
MTBF (est)	≥2,000,000 hrs	≥2,000,000 hrs	≥2,000,000 hrs	≥2,000,000 hrs	≥2,000,000 hrs
Temperature & Humidity (IEC-60068)					
Operating -25°C ~ 85°C: Standard	SP***GISDI5R5NE0		SP***GISDT3R5NE0		SP***GISDT325NE0
Operating -40°C ~ 85°C: Wide		SP***GISDT535NW0		SP***GISDT335NW0	
Storage Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Operating Humidity	10% ~ 95% (30°C Max. Wet Bulb Temp)				
Mechanical (IEC-60068)					
Vibration	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz	15G, 10 ~ 2000Hz
Drop	150cm	150cm	150cm	150cm	150cm
Shock	1,500G@0.5ms	1,500G@0.5ms	1,500G@0.5ms	1,500G@0.5ms	1,500G@0.5ms
Key Features					
Torque	0.15Nm	0.15Nm	0.15Nm	0.15Nm	0.15Nm
Bending	10N	10N	10N	10N	10N
Duration (cycles)	10,000	10,000	10,000	10,000	10,000
S.M.A.R.T	◆	◆	◆	◆	◆
SP SMART Utility	◆	◆	◆	◆	◇
Warranty	5 years and within TBW			3 years and within TBW	

\*1. The read and write values may vary depending on different capacities and testing platforms.

\*2. ◆=Default ◇=By Request