



# Clifton Cameras Product Specification

## Angelbird AtomX 4K RAW 500 GB Full Spec

### Product Specification

#### General

<b>Capacity</b>	500 GB
<b>Form Factor</b>	ATOMOS MASTERCADDY 4K RAW
<b>Dimensions</b>	104 x 75.5 x 11.7 mm (4.09 x 2.97 x 0.46 inch)
<b>Weight</b>	~ 220.0 g   ~ 7.7 oz
<b>Warranty<sup>2</sup></b>	3-year limited warranty
<b>Compatibility</b>	<ul style="list-style-type: none"><li>• Atomos Sumo</li><li>• Atomos Shogun</li><li>• Atomos Shogun Inferno</li><li>• Atomos Shogun Flame</li><li>• Atomos Shogun Studio</li><li>• Atomos Ninja Flame</li><li>• Atomos Ninja Assassin</li></ul>

#### Performance

<b>Sequential Read Speed<sup>1</sup></b>	560 MB/s
<b>Sustained Read Speed<sup>1</sup></b>	540 MB/s
<b>Sequential Write Speed<sup>1</sup></b>	520 MB/s
<b>Sustained Write Speed<sup>1</sup></b>	500 MB/s
<b>Access Time (R/W)</b>	~ 65 $\mu$ s   40 $\mu$ s

#### Reliability

<b>MTBF</b>	2,400,000 hours
<b>Data Reliability</b>	Built-in EDC   ECC function
<b>Data Retention</b>	10 years at 25°
<b>Endurance</b>	500 GB: up to 1,500 TBW
<b>Certifications</b>	RoHS, CE and FCC compliant, REACH

#### Electrical

<b>DC Input Voltage</b>	5 V $\pm$ 10%
<b>Power Usage (IDLE/MAX)</b>	500 GB: 1.35 W / 4.7 W

#### Technical

<b>Interface</b>	SATA 6 Gb/s, 3 Gb/s and 1.5 Gb/s supported, SATA 3.0 compliant
<b>Over Provisioning</b>	~ 9 %

#### Features

Temperature sensor, overload protection, TRIM, ECC, EMS protection, built-in cache, SMART, NCQ, adaptive thermal protection

#### Environmental

<b>Shock Resistance (Operating)</b>	1000 G/0.5ms
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<b>Vibration Resistance (Operating)</b>	2.17 GRMS
<b>Operating Temperature</b>	-20°C ~ +105°C
<b>Storage Temperature</b>	-40°C ~ +85°C
<b>Operating Humidity</b>	5 % to 95 % non-condensing

<sup>1</sup> ... Speed based on internal testing. Actual transfer rates and capacity may vary depending on system hardware and other factors.

<sup>2</sup> ... To receive the full limited warranty, the product needs to be registered on the Angelbird Personal Service Portal within 30 days after purchase. If not registered within this period, the market-specific legal guarantee period comes into force.