

## Specifications

	8TB	6TB	6TB	6TB	4TB
<b>Model Number<sup>1</sup></b>	WD86PURZ	WD63PURZ	WD62PURZ	WD60PURZ	WD42PURZ
<b>Formatted capacity<sup>2</sup></b>	8TB	6TB	6TB	6TB	4TB
<b>Form factor</b>	3.5-inch	3.5-inch	3.5-inch	3.5-inch	3.5-inch
<b>Advanced Format (AF)</b>	Yes	Yes	Yes	Yes	Yes
<b>Recording Technology</b>	CMR	CMR	CMR	CMR	CMR
<b>RoHS compliant<sup>3</sup></b>	Yes	Yes	Yes	Yes	Yes
<b>Product Features</b>					
<b>Cameras supported<sup>3b</sup></b>	Up to 64 HD <sup>a</sup>	Up to 64 HD <sup>a</sup>	Up to 64 HD <sup>a</sup>	Up to 64 HD <sup>a</sup>	Up to 64 HD <sup>a</sup>
<b>Drive Bays Supported</b>	16	16	16	16	16
<b>AI Streams</b>	16	16	16	16	16
<b>Firmware Feature Name</b>	AllFrame	AllFrame	AllFrame	AllFrame	AllFrame
<b>Tarnish resistant components</b>	Yes	Yes	Yes	Yes	Yes
<b>Performance</b>					
<b>Interface transfer rate (max)<sup>4</sup></b>					
Buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	194 MB/s	175 MB/s	185 MB/s	175 MB/s	175 MB/s
<b>Cache (MB)<sup>5</sup></b>	128	256	128	64	256
<b>Reliability/Data Integrity</b>					
<b>Load/unload cycles<sup>6</sup></b>	300,000	300,000	300,000	300,000	300,000
<b>Annualized workload rating<sup>7</sup></b>	180TB/yr	180TB/yr	180TB/yr	180TB/yr	180TB/yr
<b>Non-recoverable read errors per bits read</b>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>
<b>MTBF</b>	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
<b>Limited warranty (years)<sup>8</sup></b>	3	3	3	3	3
<b>Power Management<sup>9</sup></b>					
<b>Average power requirements (W)</b>					
Read/Write	6.2	4.6	6.2	5.3	4.6
Idle	5.5	3.7	5.5	4.9	3.7
Standby and Sleep	0.4	0.3	0.4	0.4	0.3
<b>Environmental Specifications<sup>10</sup></b>					
<b>Temperature (°C, on the base casting)</b>					
<b>Operating<sup>11</sup></b>	0 to 65	0 to 65	0 to 65	0 to 65	0 to 65
<b>Non-operating</b>	-40 to 70	-40 to 70	-40 to 70	-40 to 70	-40 to 70
<b>Shock (G)</b>					
<b>Operating (2 ms, read/write)</b>	30	30	30	30	30
<b>Operating (2 ms, read)</b>	65	65	65	65	65
<b>Non-operating (2 ms)</b>	250	250	250	250	250
<b>Acoustics (dBA)<sup>12</sup></b>					
<b>Idle</b>	25	23	25	25	23
<b>Seek (average)</b>	30	27	30	28	27
<b>Physical Dimensions</b>					
<b>Height (in./mm, max)</b>	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
<b>Length (in./mm, max)</b>	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
<b>Width (in./mm, ±.01 in.)</b>	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
<b>Weight (lb./kg, ± 10%)</b>	1.58/0.72	1.26/0.57	1.58/0.72	1.65/0.75	1.26/0.57

<sup>1</sup> MTBF specifications are based upon internal testing using a 10°C base casting temperature. MTBF is based on a sample population and is estimated by statistical measurements and acceleration algorithms. MTBF does not predict an individual drive's reliability and does not constitute a warranty.

<sup>2</sup> For capacities 6TB and higher.

<sup>3</sup> Not all products may be available in all regions of the world.

<sup>4</sup> As used for storage capacity, one gigabyte (GiB) = one billion bytes and one terabyte (TiB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MiB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MiB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bytes per second. Effective maximum SATA 6 Gb/s transfer rate calculated according to the Serial ATA specification published by the SATA-IO organization as of the date of this specification sheet. Visit [www.sata-io.org](http://www.sata-io.org) for details.

<sup>5</sup> WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

<sup>6</sup> Controlled unload at ambient condition.

<sup>7</sup> Workload Rate is defined as the amount of user data transferred to or from the hard drive. Workload Rate is annualized (TB transferred × 8760 / recorded power-on hours). Workload Rate will vary depending on your hardware and software components and configurations.

<sup>8</sup> See [support.wd.com/warranty](http://support.wd.com/warranty) for regional specific warranty details.

<sup>9</sup> Power measurements at room-ambient temperature.

<sup>10</sup> No non-recoverable errors during operating tests or after non-operating tests.

<sup>11</sup> On the base casting.

<sup>12</sup> Sound power level.

<sup>13</sup> TB through 5TB support up to eight bays; 6TB and above support up to 16 bays.

<sup>14</sup> Single stream at 3.2Kbps (1080p, H.265, 25 fps). Results may vary depending on camera resolution, file format, frames per second, software, system settings, video quality, and other factors.