



WD Purple™



Specification	10TB	8TB	6TB	4TB	3TB	2TB	1TB	500GB
Model	WD100PURZ	WD80PURZ	WD60PURZ	WD40PURZ	WD30PURZ	WD20PURZ	WD10PURZ	WD05PURZ
Formatting capacity	10TB	8TB	6TB	4TB	3TB	2TB	1TB	500GB
Form factor	3.5 inch	3.5 inch	3.5 inch	3.5 inch	3.5 inch	3.5 inch	3.5 inch	3.5 inch
Advanced Formatting (AF)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Compliance with RoHS6	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Feature</b>								
Number of supported cameras	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64	Up to 64
Maximum number of hard disk drives supported	8+	8+	8+	8+	8+	8+	8+	8+
Corrosion resistant component	Yes	Yes	Yes	Yes	No	No	No	No
<b>Performance</b>								
Interface transmission rate (maximum)								
From buffer to host	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s	6 Gb/s
Host to / self hard drive (continuous)	210 MB/s	178 MB/s	175 MB/s	150 MB/s	145 MB/s	145 MB/s	110 MB/s	110 MB/s
Cache (MB)	256	128	64	64	64	64	64	64
Performance level	5400 RPM level	5400 RPM level	5400 RPM level	5400 RPM level	5400 RPM level	5400 RPM level	5400 RPM level	5400 RPM level
<b>Reliability / Data integrity</b>								
Load/unload cycle	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Annual workload rate	180TB/Year	180TB/Year	180TB/Year	180TB/Year	180TB/Year	180TB/Year	180TB/Year	180TB/Year
Number of unrecoverable read errors per read	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>	Less than 1/10 <sup>14</sup>
Limited warranty period (years)	3	3	3	3	3	3	3	3
<b>Power management</b>								
Average power demand (W)								
Read/write	6.2	6.4	5.3	5.1	4.4	4.4	3.3	3.3
idle	5.0	5.7	4.9	4.5	4.1	4.1	2.9	2.9
Standby and sleep	0.5	0.7	0.4	0.4	0.4	0.4	0.4	0.4
<b>Environmental specification</b>								
Temperature (°C, on the base casting)								
Working status	0°C to 65°C	0°C to 65°C	0°C to 65°C	0°C to 65°C	0°C to 65°C	0°C to 65°C	0°C to 65°C	0°C to 65°C
Non-working status	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
Impact strength (Gs)								
Working status (2 ms, read/write)	30	30	30	30	30	30	30	30
Working status (2 ms, read)	65	65	65	65	65	65	65	65
Non-working state (2 milliseconds)	250	250	250	250	250	250	350	350
Noise (dBA)								
idle	20	20	25	25	23	23	21	21
Seek (average)	29	29	26	26	24	24	22	22
<b>Physical size</b>								
Height (inches / mm, maximum)	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
Length (inch / mm, maximum)	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
Width (inch / mm, ± 0.01 inches)	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
Weight (lbs/kg, ± 10%)	1.43/0.65	1.43/0.65	1.65/0.75	1.50/0.68	1.40/0.64	1.40/0.64	0.99/0.45	0.99/0.45

**“Your Reliable Integrated Video Surveillance Solutions Provider”**

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\*Product specifications and availability are subject to change without notice.