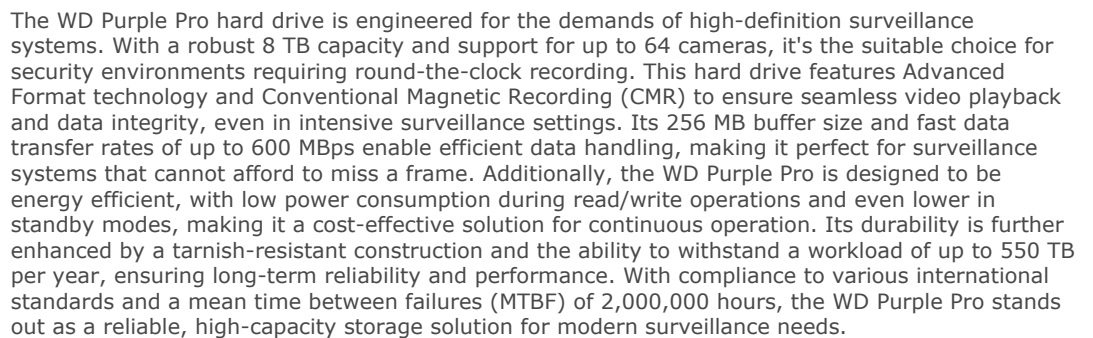


WD Purple Pro WD8002PURP - Hard drive - 8 TB - surveillance, smart video - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 256 MB



- 24x7 operation capability ensures reliability for continuous surveillance
- Supports up to 64 cameras, catering to extensive surveillance setups
- Advanced Format technology and CMR for optimal video data integrity
- Tarnish-resistant components for enhanced durability in harsh environments
- Energy-efficient design with low power consumption in various modes

Robust performance
Equipped with a 256 MB buffer size and a data transfer rate of 600 MBps, this internal hard drive ensures swift and reliable data access and transfer, making it suitable for intensive surveillance environments.

Enhanced durability
Designed for 24x7 operation and supporting a workload of up to 550 TB per year, the WD Purple Pro is built to withstand the demands of continuous surveillance recording, ensuring long-term reliability.

Optimized for surveillance
Featuring AllFrame AI technology and the ability to support up to 64 cameras, this hard drive is specifically optimized for surveillance systems, enhancing video playback and increasing the number of video streams, thereby improving the overall security system's performance.

High storage capacity
With an 8 TB capacity, this hard drive offers ample space for storing high-definition video footage, making it an excellent choice for security systems requiring extensive video archival.

Energy efficient

The WD Purple Pro hard drive is designed with energy efficiency in mind, featuring low power consumption modes including 7.3 watts during read/write operations and as low as 0.3 watts during standby and sleep modes, reducing the overall energy cost.

Product Description	WD Purple Pro WD8002PURP - hard drive - 8 TB - surveillance, smart video - SATA 6Gb/s
Type	Hard drive - internal
Capacity	8 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	256 MB
Spindle Speed	7200 rpm

Features	Advanced Format technology, Conventional magnetic recording (CMR), support up to 64 cameras, AllFrame AI, tarnish-resistant, workload up to 550 TB per year
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	715 g
Manufacturer Warranty	5-year warranty

Extended Specification

General

Device Type	Hard drive - internal
Capacity	8 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	256 MB
Features	Advanced Format technology, Conventional magnetic recording (CMR), support up to 64 cameras, AllFrame AI, tarnish-resistant, workload up to 550 TB per year
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	715 g

Manufacturer Warranty

Service & Support	Limited warranty - 5 years
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Miscellaneous

Compliant Standards	ROHS Directive 2015/863/EU, ROHS Directive 2011/65/EU, BSMI, CB Scheme, FCC, ICES-003, KC, Maghreb, NMB-003, RCM, TUV, UKCA, UL, VCCI
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Power

Power Consumption	7.3 Watt (read/write) ¦ 6.5 Watt (idle) ¦ 0.3 Watt (standby) ¦ 0.3 Watt (sleep)
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	65 °C
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Shock Tolerance (operating)	30 g
Shock Tolerance (non-operating)	250 g
Sound Emission	27 dBA

Performance

Drive Transfer Rate	600 MBps (external)
Internal Data Rate	267 MBps
Spindle Speed	7200 rpm

Reliability

MTBF	2,000,000 hours
24x7 Operation	Yes
Non-Recoverable Errors	1 per 10^15
Load / Unload Cycles	600,000

Software & System Requirements

Software Included	Western Digital Device Analytics
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Expansion & Connectivity

Interfaces	1 x SATA 6 Gb/s
Compatible Bay	3.5"

What's in the box

WD Purple Pro WD8002PURP - hard drive
Software

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet