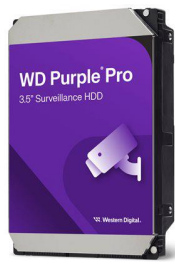


WD Purple Pro WD102PURP (WD102PURP)

WD Purple Pro WD102PURP - Hard drive - 10 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Purple Pro 10 TB hard drive is designed to provide reliable performance for surveillance systems. With support for up to 64 cameras, this storage solution ensures data transfer rates of 600 MBps and internal data rates of 267 MBps, making it suitable for high-bandwidth applications. The hard drive features a spindle speed of 7200 rpm, along with advanced technologies like AllFrame AI and OptiNAND to enhance data integrity and optimize storage efficiency. Built for continuous operation, the WD Purple Pro has a generous buffer size of 512 MB and an MTBF of 2,000,000 hours, reinforcing its durability. Additionally, with a sound emission of 34 dBA, this hard drive operates quietly, making it ideal for environments where noise level matters. Designed to withstand varying environmental conditions, it operates in temperatures ranging from 0°C to 65°C and remains resilient during storage between -40°C and 70°C.

Key Selling Points

- Provides 10 TB of storage capacity for extensive data
- Supports up to 64 cameras for robust surveillance systems
- Designed for 24x7 continuous operation with excellent reliability
- Features advanced technologies to ensure data security and performance
- Operates quietly with a sound emission of 34 dBA

Product Features

- Robust capacity**
With a 10 TB storage space, the WD Purple Pro allows for extensive data storage needs, making it suitable for high-demand applications such as surveillance systems.
- Reliable performance**
Designed for 24x7 continuous operation, this hard drive is built to handle the demands of surveillance recording, providing consistent reliability in recording and playback.
- Advanced data management**
Featuring AllFrame AI technology, the WD Purple Pro reduces video interruptions and optimizes the overall performance of surveillance systems through advanced data management.
- Durable design**
The hard drive's construction allows it to tolerate a range of environmental conditions, operating in temperatures as high as 65°C, ensuring it stays functional under various conditions.
- Quiet operation**
With a sound emission level of 34 dBA, this hard drive operates quietly, making it an ideal choice for environments sensitive to noise.

Main specifications

Product Description	WD Purple Pro WD102PURP - hard drive - 10 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	10 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	512 MB
Spindle Speed	7200 rpm
Features	Advanced Format technology, 24x7 continuous operation, Conventional magnetic recording (CMR), AllFrame AI, support up to 64 cameras, tarnish-resistant, OptiNAND technology
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	750 g
Manufacturer Warranty	5-year warranty

Extended specification

General	
Device Type	Hard drive - internal
Capacity	10 TB

Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	512 MB
Features	Advanced Format technology, 24x7 continuous operation, Conventional magnetic recording (CMR), AllFrame AI, support up to 64 cameras, tarnish-resistant, OptiNAND technology
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	750 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, ICES-003, NMB-003, FCC, KC, Maghreb, RCM, UKCA, VCCI, CB Scheme, TUV, UL
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Power

Power Consumption	9.1 watt (read/write) 8.2 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)	70 g @ 2 ms
Shock Tolerance (non-operating)	250 g @ 2 ms
Sound Emission	34 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 WD102PURP - 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