WD Purple Pro WD122PURP (WD122PURP)

WD Purple Pro WD122PURP - Hard drive - 12 TB - internal - 3.5" - SATA 6Gb/s - 7200 rpm - buffer: 512 MB



The WD Purple Pro internal hard drive is engineered for 24x7 continuous operation, making it suitable for surveillance systems requiring high-capacity storage. With a substantial capacity of 12 TB, it supports up to 64 cameras, ensuring that critical footage is captured and stored seamlessly. The drive utilizes Advanced Format technology and Conventional Magnetic Recording (CMR) for efficient data management, providing reliable performance with a data transfer rate of up to 600 MBps. Designed for durability, the WD Purple Pro features tarnish-resistant components and operates effectively in temperatures from 0°C to 65°C while withstanding storage temperatures as low as -40°C. The drive's robust construction is complemented by a mean time between failures (MTBF) of 2,000,000 hours, ensuring long-term reliability for mission-critical applications. Additionally, with low sound emission of 34 dBA, it operates quietly, making it suitable for various environments.

Key Selling Points

12 TB storage capacity suitable for extensive surveillance
Supports up to 64 cameras for comprehensive monitoring
Designed for 24x7 continuous operation
Features tarnish-resistant components for enhanced durability
Low sound emission at 34 dBA ensures quiet performance

Product Features

Reliable 24x7 operation
The WD Purple Pro is optimized for continuous operation, ensuring that it can handle constant writing and reading demands typical in surveillance applications without interruption.

Robust storage capacity
With a capacity of 12 TB, this hard drive provides ample space for storing large volumes of footage from multiple cameras.

Enhanced data integrity
Non-recoverable errors are minimized to 1 per 10^15, ensuring that data remains safe and reliable over time.

Environmentally resilient
With operating temperatures ranging from 0°C to 65°C and storage temperatures from -40°C to 70°C, it is built to perform reliably in various environments.

Efficient data transfer rates
Achieves data transfer rates of up to 600 MBps, supporting fast access to stored information for quick retrieval and playback.

Main specifications

Product Description	*WD Purple Pro WD122PURP - hard drive - 12 TB - SATA 6Gb/s*
Type	*Hard drive - internal*
Capacity	*12 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	*12 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*

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*

Power

Power Consumption	*9.1 watt (read/write) ¦ 8.2 watt (idle) ¦ 0.3 watt (standby) ¦ 0.3 watt (sleep)*

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*

Expansion & Connectivity

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

What's in the box

WD Purple Pro WD122PURP - hard drive

Software

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