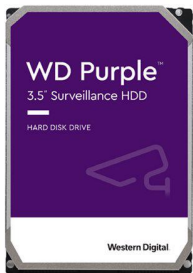


WD Purple WD11PURZ (WD11PURZ)

WD Purple WD11PURZ - Hard drive - 1 TB - internal - 3.5" - SATA 6Gb/s - buffer: 64 MB



WD Purple drives are designed to meet the challenges of 24 x 7 video surveillance recording. These drives are engineered specifically for surveillance to help withstand the elevated heat fluctuations and equipment vibrations within NVR environments. An average desktop drive is built to run for only short intervals, not the harsh 24/7 always on environment of a high-definition surveillance system. With WD Purple drives, you get reliable, surveillance-class storage that's tested for compatibility in a wide range of security systems. Exclusive WD AllFrame technology helps reduce frame loss and improve overall video playback.

Key Selling Points

Designed for mainstream surveillance systems
WD AllFrame technology delivers optimizations for write-intensive, low bit-rate, high stream-count workloads typical to surveillance applications
Supports up to 180 TB/yr workload rate

Product Features

Large storage, surveillance you can trust
Western Digital has provided surveillance-grade storage for more than a decade. With WD Purple surveillance storage, drives are engineered for high temperature, always on surveillance systems so you can rely on quality video when you need it most.

Western digital's exclusive WD AllFrame technology
All WD Purple drives are equipped with AllFrame technology, which helps reduce video frame drops and improves video recording and playback.

Enhanced workload ratings
WD Purple drives feature a workload rating of up to 180 TB/year - up to three times that of desktop drives - to handle the unique demands of mainstream video surveillance DVR and NVR systems.

Multiple cameras, multiple streams
Modern recorders now support multiple video streams per camera. WD Purple drives support up to 64 single-stream HD cameras. Modern recorders now support multiple video streams per camera.

Designed for reliable operation
Engineered for reliability with an MTBF of up to 1 million hours, WD Purple drives feature tarnish-resistant components and support for storage systems with up to 16 drive bays. WD Purple hard drives are designed with RAID error recovery control to help reduce failures in supported video recorders.

Main specifications

Product Description	WD Purple WD11PURZ - hard drive - 1 TB - SATA 6Gb/s
Type	Hard drive - internal
Capacity	1 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Data Transfer Rate	600 MBps
Buffer Size	64 MB
Features	Advanced Format technology, Conventional magnetic recording (CMR), support up to 64 cameras, AllFrame, tarnish-resistant
Dimensions (WxDxH)	101.6 mm x 147 mm x 26.1 mm
Weight	450 g
Manufacturer Warranty	3-year warranty

Extended specification

General

Device Type	Hard drive - internal
Capacity	1 TB
Form Factor	3.5"
Interface	SATA 6Gb/s
Buffer Size	64 MB

Features	Advanced Format technology, Conventional magnetic recording (CMR), support up to 64 cameras, AllFrame, tarnish-resistant
Width	101.6 mm
Depth	147 mm
Height	26.1 mm
Weight	450 g

Manufacturer Warranty

Service & Support	Limited warranty - 3 years
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Miscellaneous

Compliant Standards	RoHS 2 (2011/65/EU)
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Power

Power Consumption	3.8 watt (read/write) ¦ 3.2 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)	30 g @ 2 ms
Shock Tolerance (non-operating)	250 g @ 2 ms

Performance

Drive Transfer Rate	600 MBps (external)
Internal Data Rate	180 MBps
Seek Time	26 ms (average)

Reliability

MTBF	1,000,000 hours
Non-Recoverable Errors	1 per 10 ¹⁴
Load / Unload Cycles	300,000

Expansion & Connectivity

Interfaces	1 x SATA 6 Gb/s - 7 pin Serial ATA
Compatible Bay	3.5"

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