



WD WD22PURZ

Standalone WD Purple surveillance hard drive, not a NAS appliance · Specification summary

Capacity	2 TB
Interface and form factor	SATA 6 Gb/s; 3.5-inch drive
Recording technology	CMR
Advanced Format	Advanced Format is listed. Confirm recorder formatting and supported sector handling.
Camera workload reference	Up to 64 single-stream HD cameras under the manufacturer test condition; not an NVR input-channel specification.
Maximum drive bays reference	8 drive bays in this model column; recorder qualification remains separate.
Firmware feature	AllFrame
Rotational-vibration sensors	RV sensors are not listed for this exact model; do not borrow the larger-model feature.
Tarnish-resistant components	Tarnish-resistant components are not listed for this exact model.
Drive transfer reference	175 MB/s maximum host-to/from-drive reference; not the SATA signalling speed.
Cache	256 MB; the cited edition uses decimal MB for capacity/cache.
Annual workload rating	180 TB/year; total user data transferred to or from the drive, not retained-video capacity.
MTBF reference	1,000,000 hours as a statistical population estimate, not an individual drive lifetime or warranty.
Load/unload cycles	300,000 controlled unloads at ambient conditions.
Read/write power	3.8 W average read/write reference.
Idle power	3.2 W average idle reference.
Standby/sleep power	0.3 W standby/sleep reference.
Operating temperature	0 to 65 °C as listed for the drive; this is not a recorder ambient-temperature rating.
Non-operating temperature	-40 to 70 °C as listed for the drive.
Drive dimensions	Height up to 26.1 mm; length up to 147 mm; width 101.6 mm with the source tolerance ± 0.01 inch. Confirm mounting clearance.
Drive mass	0.45 kg $\pm 3\%$; packaging is separate.
Acoustic reference	Idle 21 dBA; average seek 26 dBA. Measurement geometry is not specified in this sheet.

Specifications are summarised from the manufacturer's published information (checked 2026-10-20). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

IS Distributions Sdn. Bhd., Kuching, Sarawak · <https://www.isdsb.com.my/product-wd-hdd-wd22purz.html>