Western Digital.

WD Purple™

DATA SHEET

SURVEILLANCE HARD DRIVES

Highlights

- Capacity up to 14TB
- Support for up to 64 cameras per drive
- AllFrame™ technology
- Up to 16 AI channels for Deep Learning analytics on AI-enabled NVRs (8TB, 10TB, 12TB & 14TB capacities)
- MTBF of up to 1.5 million hours
- 3-year limited warranty

INTERFACE
SATA 6 Gb/s

PERFORMANCE CLASS
5400 / 7200 RPM Class

FORM FACTOR
3.5-inch

CAPACITIES
1TB to 14TB

MODEL NUMBERS

WD140PURZ	WD121PURZ	WD102PURZ
WD101PURZ	WD82PURZ	WD60PURZ
WD40PURZ	WD30PURZ	WD20PURZ
WD10PURZ		

THE WESTERN DIGITAL ADVANTAGE

Western Digital puts our products through extensive Functional Integrity Testing (F.I.T.) prior to any product launch. This testing ensures our products consistently meet the highest quality and reliability standards of the Western Digital brand.

Western Digital also has a detailed Knowledge Base with more than 1,000 helpful articles as well as software and utilities. Our customer support lines have long operational hours to ensure you get the help you need when you need it. Our toll-free customer support lines are here to help, or you can access our Western Digital Support site for additional details.

WD Purple™ drives are built for 24/7, always-on, high-definition security systems. WD Purple™ surveillance hard drives feature Western Digital's exclusive AllFrame™ technology, so you can confidently create a security system tailored to the needs of your business. Using AllFrame™ technology, WD Purple™ drives improve video capturing and help to reduce errors, pixelation, and video interruptions that can occur in a video recorder system. WD Purple drives have an enhanced workload rating that supports systems designed for 24×7 video recording with up to 64 cameras.

Industry-leading storage. Surveillance you can trust.

Western Digital is a worldwide leader in the hard drive industry. With WD Purple surveillance storage, you have a drive engineered for high temperature, always-on surveillance systems so you can rely on quality video playback when you need it most. Whether you're protecting loved ones or monitoring your business, WD Purple offers performance you can trust.

Western Digital's Exclusive AllFrame Technology

All WD Purple drives are equipped with AllFrame technology, which improves ATA streaming to help reduce frame loss, improve overall video playback, and increase the number of hard drive bays supported within a NVR. Make your surveillance solution future-ready knowing that WD Purple drives are ready for ultra high definition cameras. WD Purple capacities up to 6TB* feature AllFrame 4K technology enabling high quality recording for up to 64 cameras. WD Purple 8TB, 10TB, 12TB & 14TB capacities feature AllFrame AI technology that enables not only recording up to 64 cameras, but also supports an additional 32 streams for Deep Learning analytics within the system.

Enhanced Workload Ratings

WD Purple drives with AllFrame 4K technology feature a workload rating of up to 180TB/year – up to three times that of desktop drives – to handle the unique demands of modern video surveillance DVR and NVR systems. WD Purple drives with AllFrame AI technology feature a workload rating up to 360TB/year to support the Deep Learning analytics that is featured in AI capable NVRs.

Expand your view to 64

Each WD Purple drive is optimized to support up to 64 cameras. With so many options, you have the flexibility to upgrade or expand your security system in the future.

Designed for Today's and Tomorrow's Surveillance Solutions

With an MTBF of up to 1.5 million hours[1], WD Purple drives are engineered for mainstream surveillance DVRs and NVRs that operate 24/7. With support for more than eight bays[2] and tarnish resistant components[2], WD Purple drives deliver reliable operation in large scale surveillance systems in harsh environments.

Field-proven High Capacity

Now on its 5th generation, field-proven HelioSeal™ technology delivers trusted high-capacity WD Purple™ storage (10TB, 12TB, and 14TB*) for the massive storage needs of 4K surveillance video and Deep Learning analytics.

Wide Compatibility. Seamless Integration

WD Purple hard drives are built with compatibility in mind, so you can quickly and seamlessly add capacity to your surveillance system. With a wide range of industry-leading enclosures and chipsets supported, you're sure to find the DVR or NVR configuration that's right for you.

Low Power. High efficiency

With our exclusive IntelliSeek™ technology, WD Purple drives are able to calculate optimum seek speeds. This keeps power consumption low so ambient noise and vibrations are at a minimum.

Three Year Limited Warranty

As an industry-leading hard drive manufacturer, WD stands behind their surveillance storage solutions with a 3-year limited warranty included with every WD Purple drive.