

## SPECIFICATION SHEET

# WD Purple™ Hard Drive Model WD67PURX

## Surveillance Hard Drives

WD Purple™ 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, you get reliable, surveillance-class storage that's tested for compatibility in a wide range of security systems. Exclusive AllFrame™ technology helps reduce frame loss and improve overall video playback.

### Product Features

#### 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.

#### 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.

#### Proactive storage management with WDDA

Western Digital Device Analytics™ (WDDA) provides a wealth of storage device parametric operational and diagnostic data to the system; algorithms interpret the data and direct the system to alert system administrators of specific recommended actions to address potential issues. WDDA is intended to empower OEMs, system integrators, and IT professionals to better monitor and proactively manage supported storage devices to maintain optimal operation.

#### 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 an NVR. WD Purple capacities up to 6TB<sup>1</sup> feature AllFrame 4K technology enabling high-quality recording in a multitude of security systems.

#### Enhanced workload rating

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.

#### Designed for today's and tomorrow's surveillance solutions

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

#### 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.



#### Capacity

6TB

#### Model Number

WD67PURX

<sup>1</sup> As used for storage capacity, 1TB = one trillion bytes. Actual user capacity may be less, depending on operating environment.

\* For capacities 4TB and higher

## WD® Purple Hard Drive Model WD67PURX Surveillance Hard Drives

### Physical Specifications

	<b>6TB</b>
Model numbers	WD67PURX
Formatted capacity <sup>1</sup>	6TB
Interface	SATA 6 Gb/s
Form factor	3.5-inch
Advanced Format (AF)	Yes
Recording Technology	CMR
RoHS Compliant*	Yes

### Physical Dimensions

Height	1.028 in. (26.1 mm) max
Length	5.787 in. (147.0 mm) max
Width	4.0 in. (101.6 mm) ± .01 in.
Weight	1.58 lb. (0.72 kg) ± 10%

### Reliability/Data Integrity

RPM	7200
Load/unload cycles <sup>2</sup>	300,000
Annualized Workload rating <sup>3</sup> (TB/year)	180TB/year
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>
MTBF	1,000,000
Limited Warranty (years) <sup>4</sup>	3 years

### Performance

Tarnish resistant components	Yes
<b>Interface transfer rate (Max)</b>	
Buffer to host	6 Gb/s
Host to/from drive	175MB/s
Cache (MB)	128MB

### Product Features

Maximum drive bays supported	16
Cameras Supported	64
Firmware Feature Name	AllFrame 4K

### Environmental Specifications

#### Shock

Operating (2 ms, read/write)	30Gs
Operating (2 ms, read)	65Gs
Non-operating (2 ms)	250Gs

#### Temperature

Operating	0°C to 65°C
Non-operating	-40°C to 70°C

#### Acoustics (dBA)

Idle	28 dBA
Seek (average)	34 dBA

### Power Management

Average Power (W) Read/Write	8.7 W
Idle	7.9 W
Standby/Sleep	0.4 W

\*This drive is in compliance with the European Union Directive 2011/65/EU and Directive (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

<sup>1</sup> As used for storage capacity, 1TB = one trillion bytes. Actual user capacity may be less, depending on operating environment.

<sup>2</sup> Controlled unload at ambient condition.

<sup>3</sup> Workload Rate is defined as the amount of user data transferred to or from the hard drive. Workload Rate is annualized (TB transferred X (8760 / recorded power-on hours)). Workload Rate will vary depending on your hardware and software components and configurations.

<sup>4</sup> See <http://support.wdc.com/warranty> for regional specific warranty details.

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