

Storage Video Surveillance

WD AV-GP

Power-saving Hard Drives

WD AV-GP SATA hard drives store more hi-def audio and video than ever before – up to 3 TB. They are optimized with SilkStream™ technology to capture data from up to 12 simultaneous HD video streams. And with 24x7 operation, low temperature, and best-in-class reliability, WD AV-GP hard drives are ideal for DVR/PVR and video surveillance applications.

Storage designed for digital video surveillance.

Standard desktop-class hard drives are designed to operate approximately eight hours a day for five days per week. Consider now that a DVR or high-end surveillance system typically runs 24 hours per day, for seven days per week recording numerous simultaneous video streams. What's needed for applications like these is another type of drive, a WD surveillance drive.



- WD5000AUDX (HDD500GB)
- WD10EURX (HDD1TB)
- WD10EURS (HDD2TB)

Specifications	2 TB	1 TB	500 GB
Model number	WD20EURS	WD10EURX WD10EUCX	WD5000AUDX
Formatted capacity ¹	2,000,398 MB	1,000,204 MB	500,107 MB
User sectors per drive	3,907,029,168	1,953,525,168	976,773,168
Form factor	3.5-inch	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes	Yes
RoHS compliant ²	Yes	Yes	Yes
Performance			
Data transfer rate (max)			
Buffer to host	3 Gb/s	6 Gb/s	6 Gb/s
Host to/from drive (sustained)	130 MB/s	110 MB/s	130 MB/s
Cache (MB)	64	64 (WD10EURX) 16 (WD10EUCX)	32
Rotational speed (RPM)	IntelliPower	IntelliPower	IntelliPower
Reliability/Data Integrity			
Load/unload cycles ³	300,000	300,000	300,000
Non-recoverable read errors per bits read	<10 in 10 ¹⁴	<10 in 10 ¹⁴	<10 in 10 ¹⁴
Limited warranty (years) ⁴	3	3	3
Power Management			
Average power requirements (W)			
Read/Write	4.4	5.3	3.7
Idle	4.1	3.3	2.6
Standby and Sleep	0.6	0.7	0.4
Environmental Specifications⁵			
Temperature (°C, on the base casting)			
Operating	0 to 70	0 to 70	0 to 70
Non-operating	-40 to 70	-40 to 70	-40 to 70
Shock (Gs)			
Operating (2 ms, read/write)	30	30	30
Operating (2 ms, read)	65	65	65
Non-operating (2 ms)	250	300	350
Acoustics (dBA) ⁶			
Idle	23	23	21
Seek (average)	24	24	22
Physical Dimensions			
Height (in./mm, max)	1.028/26.1	1.028/26.1	1.028/26.1
Length (in./mm, max)	5.787/147	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6	4/101.6
Weight (lb./kg, ± 10%)	1.40/0.64	1.32/0.60	0.99/0.45