

# DH-HAC-HFW1200C(-A)

2MP HDCVI IR Bullet Camera



- · Max 30fps@1080P
- · CVI/CVBS/AHD/TVI switchable
- · 3.6mm fixed lens (2.8mm, optional)
- · Built-in mic(-A)
- · Max. IR length 30m, Smart IR
- · IP67, DC12V













#### **System Overview**

Experience 1080P full HD video and the simplicity of using existing cabling infrastructure with HDCVI. The Lite series 1080P HDCVI camera features a compact design and offers a high quality image at a friendly price. It offers various motorized/fixed lens models with a multi-language OSD and HD/SD switchable output. Its structural flexibility and high cost-performance makes the camera an ideal choice for SMB solutions.

#### **Functions**

#### 4 Signals over 1 Coaxial Cable

HDCVI technology supports 4 signals to be transmitted over 1 coaxial cable simultaneously, i.e. video, audio\*, data and power. Dual-way data transmission allows the HDCVI camera to interact with the XVR, such as sending control signal or triggering alarm. Moreover, HDCVI technology supports PoC for construction flexibility.

\* Audio input is available for some models of HDCVI cameras.

#### **Long Distance Transmission**

HDCVI technology guarantees real-time transmission at long distance without any loss. It supports up to 800m(1080p)/1200m(720P) transmission via coaxial cable, and up to 300m(1080P)/450m(720P) via UTP cable \*

\*Actual results verified by real-scene testing in Dahua's test laboratory.

#### Simplicity

HDCVI technology inherits the born feature of simplicity from traditional analog surveillance system, making itself a best choice for investment protection. HDCVI system can seamlessly upgrade the traditional analog system without replacing existing coaxial cabling. The plug and play approach enables full HD video surveillance without the hassle of configuring a network.

#### **Smart IR**

The camera is designed with IR LED illumination for best lowlight performance. Smart IR is a technology to ensure brightness uniformity in B/W image under low illumination. Dahua's unique Smart IR adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object, and prevents IR LEDs from overexposing images as the object come closer to the camera.

#### **Multi-formats**

The camera supports multiple video formats including HDCVI, CVBS and other two common HD analog formats in the market. The four formats can be switched over through OSD menu or by PFM820(UTC controller). This feature makes the camera to be compatible with most end users' existing HD/SD DVRs.

#### Multi-language OSD

OSD menu provides multiple image adjustments and function settings to meet the requirements of different monitoring scenes. The OSD menu includes configurations such as backlight mode, day/night, white balance, privacy mask and motion detect. The camera supports 11 languages for OSD menu, namely, Chinese, English, French, German, Spanish, Portuguese, Italian, Japanese, Korean, Russian and Polish.

#### **Protection**

The camera's outstanding reliability is unsurpassed due to its rugged design. The camera is protected against water and dust with IP67 ranking, making it suitable for indoor or outdoor environments. With working temperature range of 40 °C to +60 °C (-40 °F to +140 °F),

the camera is designed for extreme temperature environments. Supporting ±30% input voltage tolerance, this camera suits even the most unstable power supply conditions. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

## Lite Series | DH-HAC-HFW1200C(-A)

Video

Frame Rate

Resolution

Day/Night

White Balance

BLC

WDR

Technical Specification					Gain Control	Auto; manual			
Camera					Noise Reduction	2D NR			
Image Sensor		1/2.7 inch CMOS				Smart IR	Yes		
Max. Resolution		1920(H)×108	30(V)			Electronic Defog	Yes		
Pixel		2MP				Mirror	Off/On		
Scanning Syst	em	Progressive				Privacy Masking	Off/On (8 area, rectangle)		
Electronic Shu	ıtter Speed	PAL: 1/25s–1/100000s NTSC: 1/30s–1/100000s				Certifications			
S/N Ratio		>65dB					CE (EN55032:2015, EN 61000-3-2:2014, EN 61000-3-3:2013, EN55024:2010+A1:2015, EN 55035:2017,		
Min. Illumination		0.02Lux/F1.9, 30IRE, 0Lux IR on				Certifications	EN50130-4:2011+A1:2014) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014) UL (UL60950-1+CAN/CSA C22.2 No.60950-1)		
Illumination D	istance	30 m (98.4 ft)				Port			
Illuminator Or	n/Off Control	Auto; manual				Audio Output	One channel built-in mic (-A)		
Illuminator Number		2				Video Output	Video output choices of CVI/TVI/AHD/CVBS by one		
Pan/Tilt/Rotation Range		Pan: 0°–360° Tilt: 0°–90°				. BNC port			
		Rotation: 0°-	–360°			Power			
Lens	Lens					Power Supply	12V ±30% DC		
Lens Type		Fixed-focal				Power Consumption	Max 2.7W (12V DC, IR on)		
Mount Type		M12				Environment			
Focal Length		2.8 mm; 3.6 mm				Operating Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)		
Max. Aperture		F1.9				Storage Temperature	-40°C to +60°C (-40°F to 140°F); <95% (noncondensation)		
Field of View		2.8 mm: 119° x 101° x 54° (diagonal x horizontal x vertical) 3.6 mm: 100° x 84° x 45° (diagonal x horizontal x vertical)  Fixed iris				Protection Grade	IP67		
						Structure			
						Casing	Plastic throughout the whole casing		
Iris Type						Camera Dimensions	161.3mm×69.7mm×70.0mm (6.35"×2.75"×2.75")		
Close Focus Distance		2.8 mm: 0.5 m (1.7 ft) 3.6 mm: 0.8 m (2.6 ft)				Net Weight	0.19 Kg (0.55 lb)		
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Gross Weight	0.29 Kg (0.64 lb)		
	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)				
	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5 m (16.4 ft)				

CVI: 1080P@25/30fps; 720P@25/30fps;

CVI. 1080F@25/30fps; 720F@25/30fps; 720P@50/60fps; AHD: 1080P@25/30fps; 720P@25/30fps; TVI: 1080P@25/30fps; 720P@25/30fps; 720P@50/60fps;

1080P (1920×1080); 720P (1280×720); 960H (960×

CVBS: 960H

576/960×480)

Auto switch by ICR

BLC/HLC/DWDR

Auto; manual

DWDR

#### **Ordering Information** Description Part Number Туре DH-HAC-HFW1200CP 2.8mm DH-HAC-HFW1200CN 2.8mm DH-HAC-HFW1200CP 3.6mm DH-HAC-HFW1200CN 3.6mm DH-HAC-HFW1200CP-A 2MP HDCVI IR Bullet Camera 2MP Camera 2.8mm DH-HAC-HFW1200CN-A 2.8mm DH-HAC-HFW1200CP-A 3.6mm DH-HAC-HFW1200CN-A 3.6mm PFA134 Junction Box IP66 Junction Box (For use alone or with PFA130-E PFA152-E pole mount) Pole Mount Bracket (For use with PFA130-E PFA152-E junction box) Accessories Passive HDCVI Balun PFM800-E 12V 1A Power Adapter PFM321D UTC Controller PFM820 Integrated Mount Tester PFM904

#### Accessories

#### Optional:







PFA130-E IP66 Junction Box (For use alone or with PFA152-E pole mount)



PFA152-E Pole Mount Bracket (For use with PFA130-E junction box)



PFM800-E Passive HDCVI Balun



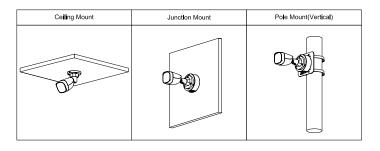
PFM321D 12V 1A Power Adapter



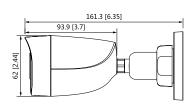
PFM820 UTC Controller



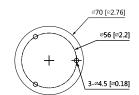
PFM904 Integrated Mount Tester



#### Dimensions (mm[inch])











## DH-XVR1B04-I

## 4 Channel Penta-brid 1080N/720p Cooper 1U 1HDD WizSense Digital Video Recorder





- · H.265+/H.265 dual-stream video compression
- · Supports Full channel AI-Coding
- · Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 5 channels IP camera inputs, each channel up to 2MP; Max
   Mbps incoming bandwidth
- Up to 4 channels video stream ( analog channel ) SMD Plus













Launched by Dahua Technology, WizSense is a series of AI products and solutions that adopt independent AI chip and deep learning algorithm. It focuses on human and vehicle with high accuracy, enabling users to fast act on defined targets. Based on Dahua's advanced technologies, WizSense provides intelligent, simple and inclusive products and solutions.

#### **Series Overview**

Dahua Technology, a world-leading video-centric smart IoT solution and service provider, debuted its new XVR series, Cooper Series featuring SMD Plus to benefit customers from Al upgrade. The series are designated to reduce false-alarm rates and human surveillance costs, thus bringing great value to customers in search of products with accurate human/vehicle alarm to raise the security level of various indoor and outdoor facilities.

#### **Functions**

#### **SMD Plus**

With intelligent algorithm, Dahua Smart Motion Detection technology can categorize the targets that trigger motion detection and filter the motion detection alarm triggered by non-concerned targets to realize effective and accurate alarm.

#### **AI Coding**

Compared with H.265/H.264, Al coding can reduce more than 50% bit rate and storage requirements while have no loss of decoding compatibility, providing clear human and vehicle details.

#### **Smart Codec**

With advanced scene-adaptive rate control algorithm, Dahua smart codec technology realizes the higher encoding efficiency than H.265 and H.264, provides high-quality video, and reduces the cost of storage and transmission.

#### HDCVI/AHD/TVI/CVBS Auto-detect

The XVR can auto recognize the signal of front-camera without any setting. It makes operation more friendly and convenient.

#### **High Definition Camera Input**

The XVR supports up to 2MP HDCVI camera and 2MP IP camera input.

#### Coaxial Audio/Upgrade/Alarm

The integrated design can reduce wiring troubles which makes it much more cost-effective and convenient for installation.

#### **Long Distance Transmission**

The HDCVI system supports long distance transmission over coaxial cable and UTP, max. 800 m for 1080p and 1200 m for 720p.

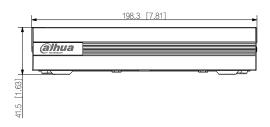


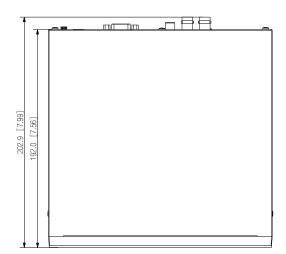
Taskuisal ConsulC	Man.	Consort Di-	iDhara iDad Aadraid		
Technical Specifica	tion	Smart Phone	iPhone; iPad; Android		
System			Interoperability ONVIF 16.12, CGI Conformant		
Main Processor Embedded processor		Video Detection and	Video Detection and Alarm		
Operating System	Embedded linux	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapsho Buzzer and Screen Tips		
SMD Plus		Video Detection	Motion Detection, MD Zones: 396 (22 $\times$ 18), Video Los Tampering and Diagnosis		
Performance	4 channels	Alarm input	N/A		
Al Search	Search by target classification (Human, Vehicle)	Relay Output	N/A		
Video and Audio		Playback and Backu	n		
Analog Camera Input	4 channels, BNC	Playback	1/4		
HDCVI Camera Input	1080p@ 25/30 fps, 720p@25/30/50/60 fps		Time/Date; Alarm; MD and Exact Search (accurate to		
AHD Camera Input	1080p@ 25/30 fps, 720p@ 25/30 fps	Search Mode	second)		
TVI Camera Input	1080p@25/30 fps, 720p@25/30 fps	Playback Function	Play; Pause; Stop; Rewind; Fast play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Ful Screen; Repeat; Shuffle; Backup Selection; Digital Zoo		
CVBS Camera Input	PAL/NTSC	Backup Mode	USB Device/Network		
IP Camera Input	P Camera Input 4+1 channels, each channel up to 2MP		GJB BEVICE/NETWORK		
Audio In/Out	1/1, RCA	Storage	ACATA		
Two-way Talk	Reuse audio in/out, RCA	Internal HDD	1 SATA port, up to 6 TB capacity		
Recording		eSATA	N/A		
Compression	Al Coding/H.265+/H.265/H.264+/H.264	Auxiliary Interface			
Resolution	1080N; 720p; 960H; D1; CIF	USB	2 USB ports (USB 2.0)		
Record Rate	Main Stream:	RS485	N/A		
	All channels 1080N/720P/960H/D1/CIF/(1~25/30fps) Sub stream: CIF (1~15 fps)	RS232	N/A		
Bit Rate	32 kbps–4096 kbps per channel	Electrical			
Record Mode	Manual; Schedule (General, Continuous); MD (Video detection: Motion Detection, Video Loss, Tampering); Alarm; Stop	Power Supply  Power Consumption (Without HDD)	DC 12 V/1.5 A < 7 W		
Record Interval	1 min– 60 min (default: 60 min), Pre-record: 1 s–30 s, Post-record: 10 s–300 s	Construction			
Audio Compression	G.711A; G.711U; PCM	Dimensions	Cooper 1U, 198 mm × 202.9 mm × 41.5 mm (7.81" × 7.99" × 1.63")		
Audio Sample Rate	8 KHz, 16 bit per channel	Net Weight (without HDD)	0.57 kg (1.25 lb)		
Audio Bit Rate	64 kbps per channel	Gross Weight	1.08 kg (2.38 lb)		
Display		Installation	Desktop installation		
Interface	1 HDMI; 1 VGA	Environmental			
Resolution	1920 × 1080, 1280 × 1024, 1280 × 720	Operating Conditions	-10 °C to +45 °C (+14 °F to +113 °F), 0%-90% (RH)		
Multi-screen Display	When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6	Storage Conditions	-20 °C to +70 °C (-4 °F to +158 °F), 0%-90% (RH)		
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording	Third-party Support			
Network		Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsui		
Interface	1 RJ-45 Port (100 Mbps)	6	Sanyo, Sony, Videotec, Vivotek, and more		
Network Protocol	HTTP; HTTPS; TCP/IP; IPv4/IPv6; 3G/4G; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPOE; DDNS;	Certifications	FCC: Part 15 Subpart B		
	FTP; Alarm Server; P2P; IP Search (Supports Dahua IP camera, DVR, NVS, etc.)	Certifications	CE: CE-LVD: EN 60950-1/IEC 60950-1		
Max. User Access	128 users		CE-EMC: EN 61000-3-2; EN 61000-3-3; EN 55032; EN 50130; EN 55024		



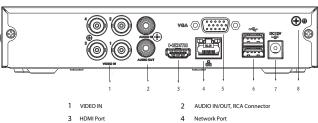
Ordering Information					
Туре	Model	Description			
4 Channel WizSense XVR	DH-XVR1B04-I	Cooper 1U WizSense Digital Video Recorder			

### Dimensions (mm[inch])





#### **Panels**



- 5 VGA Port
- 7 Power Input
- 6 USB Ports
- 8 Ground



## **WD Purple**<sup>™</sup>

### **Surveillance Hard Drives**

WD Purple™ drives are built for 24/7, always-on, high-definition security systems. With a supported workload rate\* of up to 180 TB/yr and support for up to 64 cameras, WD Purple™ drives are optimized for surveillance systems. WD Purple™ surveillance storage also comes with WD's exclusive AllFrame 4K™ technology, so you can confidently create a security system tailored to the needs of your business. Using AllFrame 4K™ technology, WD Purple™ drives improve ATA streaming to help reduce errors, pixelation, and video interruptions that could happen in a video recorder system.



**INTERFACE** 

SATA 6 Gb/s

FORM FACTOR

3.5-inch

PERFORMANCE CLASS

5400 RPM Class

CAPACITIES

SOOGR to LOTE

#### MODEL NUMBERS

WD100PURZ WD30PUR: WD80PUZX WD20PUR: WD60PURX WD10PUR: WD50PURX WD05PUR:

#### **Product Features**

#### The right drive for the right job

WD Purple™ drives have been engineered specifically for surveillance, so they're able to withstand the extreme heat fluctuations and equipment vibrations within a NVR environment. 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. A disruption to a drive could result in a failure that impacts multiple users, your security archive, or even the entire system. With WD Purple™, you get reliable, surveillance-class storage that's tested for compatibility in a wide-range of security systems.

#### Industry-leading storage. Surveillance you can trust.

WD is a worldwide leader in the hard drive industry. With WD Purple<sup>™</sup> 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<sup>™</sup> 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 configuration that's right for you.\*\*

\*\*Not sure what drive is best for your system? Use our compatibility tool to find the perfect storage for your DVR or NVR.

#### 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

#### Trust your view with AllFrame 4K™

Missed frames and lost footage could be a serious problem when video surveillance needs to be retrieved. All WD Purple™ drives are equipped with AllFrame 4K™ 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.

#### Features

- Engineered specifically for surveillance security systems.
- Three times the workload rating of our desktop hard drives\*.
  Tuned for write-intensive, low bit-rate.
- high stream-count applications typical to most surveillance applications.
- Prioritized write-operations for maximized surveillance performance.
- TLER & ATA streaming support.
- Support for more than eight bays.\*\*\*

\*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.

\*\*\*For capacities 4TB and higher.

#### Less power. More efficient.

Low power consumption is a necessity in a high-temperature, always-on surveillance environment. 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

#### 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, you can rely on your surveillance system's data storage capabilities.

### The WD Advantage

At WD, we put our products through extensive Functional Integrity Testing (F.I.T.M) prior to any product launch. This testing ensures our products consistently meet the high quality and reliability standards of the WD brand. WD also has a detailed Knowledge Base with more than 1,000 helpful articles as well as helpful 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 WD Support site for additional details.



# WD Purple™

Specifications	10ТВ	8TB	6TB	5TB	4TB	зТВ	2TB
Model number <sup>1</sup>	WD100PURZ	WD8oPUZX	WD6oPURX	WD50PURX	WD40PURX	WD30PURX	WD20PURX
Formatted capacity <sup>2</sup>	10TB	8TB	6TB	5TB	4TB	3TB	2TB
Form factor	3.5-inch						
Advanced Format (AF)	Yes						
RoHS compliant <sup>3</sup>	Yes						
Performance							
Interface transfer rate (max) <sup>2</sup> Buffer to host Host to/from drive (sustained)	6 Gb/s 210 MB/s	6 Gb/s 178 MB/s	6 Gb/s 175 MB/s	6 Gb/s 170 MB/s	6 Gb/s 150 MB/s	6 Gb/s 145 MB/s	6 Gb/s 145 MB/s
Cache (MB) <sup>2</sup>	256	128	64	64	64	64	64
Performance Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class	5400 RPM Class
Reliability/Data Integrity							
_oad/unload cycles <sup>4</sup>	300,000	300,000	300,000	300,000	300,000	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>						
Limited warranty (years) <sup>5</sup>	3	3	3	3	3	3	3
Power Management							
Average power requirements (W) Read/Write Idle Standby and Sleep Environmental Specifications	6.2 5.0 0.5	6.4 5.7 0.7	5-3 4-9 0-4	5.3 4.9 0.4	5.1 4.5 0.4	4.4 4.1 0.4	4.4 4.1 0.4
Temperature (°C, on the base casting) Operating Non-operating	0 to 65 -40 to 70	o to 65 -40 to 70	0 to 65 -40 to 70	0 to 65 -40 to 70			
Shock (Gs) Operating (2 ms, read/write) Operating (2 ms, read) Non-operating (2 ms)	30 65 250						
Acoustics (dBA) <sup>7</sup> Idle Seek (average)	20 29	2O 29	25 26	25 26	25 26	23 24	23 24
Physical Dimensions							
Height (in./mm, max)	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1	1.028/26.1
_ength (in./mm, max)	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6	4/101.6
Weight (lb/kg, ± 10%)	1.43/0.65	1.43/0.65	1.65/0.75	1.65/0.75	1.50/0.68	1.40/0.64	1.40/0.64

<sup>1</sup> Not all products may be available in all regions of the world

As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second (MB/s) = one million bytes per second (MB/s) = one billion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate calculated according to the Serial ATA specification published by the SATA-10 organization as of the date of this specification sheet. Vist www.sata-io.org for details.

<sup>3</sup> WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

<sup>&</sup>lt;sup>4</sup> Controlled unload at ambient condition.

<sup>5</sup> See http://support.wd.com/warranty for regional specific warranty details.

 $<sup>^{\</sup>rm 6}$  No non-recoverable errors during operating tests or after non-operating tests.

<sup>7</sup> Sound power level.



## WD Purple™

Specifications	1ТВ	500GB
Model number <sup>1</sup>	WD10PURX	WDo5PURX
Formatted capacity <sup>2</sup>	1TB	500GB
Form factor	3.5-inch	3.5-inch
Advanced Format (AF)	Yes	Yes
RoHS compliant <sup>3</sup>	Yes	Yes
Performance		
Interface transfer rate (max) <sup>2</sup> Buffer to host Host to/from drive (sustained)	6 Gb/s 110 MB/s	6 Gb/s 110 MB/s
Cache (MB) <sup>2</sup>	64	64
Performance Class	5400 RPM Class	5400 RPM Class
Reliability/Data Integrity		
Load/unload cycles <sup>4</sup>	300,000	300,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>	<1 in 10 <sup>14</sup>
Limited warranty (years) <sup>5</sup>	3	3
Power Management		
Average power requirements (W) Read/Write Idle Standby and Sleep	3.3 2.9 0.4	3.3 2.9 O.4
Environmental Specifications <sup>6</sup>		
Temperature (°C, on the base casting) Operating Non-operating	0 to 65 -40 to 70	0 to 65 -40 to 70
Shock (Gs) Operating (2 ms, read/write) Operating (2 ms, read) Non-operating (2 ms)	30 65 350	30 65 350
Acoustics (dBA) <sup>7</sup> Idle Seek (average)	21 22	21 22
Physical Dimensions		
Height (in./mm, max)	1.028/26.1	1.028/26.1
Length (in./mm, max)	5.787/147	5.787/147
Width (in./mm, ± .01 in.)	4/101.6	4/101.6
Weight (lb/kg, ± 10%)	0.99/0.45	0.99/0.45

Not all products may be available in all regions of the world.

3355 Michelson Drive, Suite 100 Irvine, California 92612

#### For service and literature:

www.wd.com

800.ASK.4WDC North America (800.275.4932) 800.832.4778 Spanish Asia Pacific +86.21.2603.7560

00800.27549338 Europe (toll free where available) +31.880062100 Europe/Middle East/

Africa





























CAN ICES-3 (B) / NMB-3 (B)

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<sup>&</sup>lt;sup>2</sup> As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second. Effective maximum SATA 6 Gb/s transfer rate calculated according to the Serial ATA specification published by the SATA-10 organization as of the date of this specification sheet. Visit www.sata-io.org for details.

WD hard drive products manufactured and sold worldwide after June 8, 2011, meet or exceed Restriction of Hazardous Substances (RoHS) compliance requirements as mandated by the RoHS Directive 2011/65/EU.

<sup>&</sup>lt;sup>4</sup> Controlled unload at ambient condition.

 $<sup>^{\,\,5}\,</sup>$  See http://support.wd.com/warranty for regional specific warranty details.

<sup>&</sup>lt;sup>6</sup> No non-recoverable errors during operating tests or after non-operating tests.

 $<sup>^{7}</sup>$  Sound power level.