

Data Sheet

## DB35.4 Series

Quiet, reliable hard drives optimised for digital entertainment

### 250 GB\* • SATA

#### Key Advantages

- 250 GB on a single platter enables a cost-effective entry point while delivering up to 50 hours of high-definition storage or up to 250 hours of standard-definition TV capacity.
- PVR acoustic profile as low as 2.5dB supports bedroom and living room system usage models.
- Capable of operating at drive case temperatures of up to 75°C
- Proven Seagate® reliability—designed for worry-free DVR operation, season after season
- Low-current spin-up for ease of integration and power supply design
- Operational power consumption as low as 5.75W for reduced heat and increased reliability
- Supports up to 10 simultaneous high-definition or standard-definition video streams
- DynaPlay™ technology delivers the storage industry's most comprehensive set of features for the demanding DVR environment, including video streaming performance, power optimisation and content security.
- Available Seagate Secure™ technology improves content security as part of a system digital rights management strategy.
- Seagate SoftSonic™ motor technology and optimised seek profiles enable years of quiet, worry-free operation.



\*Compatible with UDMA-2, -3 and -4



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## Best-Fit Applications

- Designed and tested for DVR and media centre applications—Microsoft Windows Vista certified
- External storage
- Home cinema PC
- IPTV
- Multimedia hard drive recorders
- Karaoke and audio jukeboxes

## Seagate Global Customer Support

- Get pre-sales and technical support at [support.seagate.com](http://support.seagate.com).
- Visit our knowledge base for answers to common support questions.
- Find documentation for current and legacy drives.
- Seagate also offers multilingual phone, email and chat support.
- Seagate Design Service Centres improve product performance and reliability, while increasing your time to market by solving CE design issues quickly and efficiently.

[www.seagate.com](http://www.seagate.com)  
00-800-6890-8282

Specifications	250 GB <sup>1</sup>
Model Number	ST3250310CS
Interface Options	SATA 3Gb/s
<b>Performance</b>	
Cache, Multi-segmented (MB)	8
SATA Data Transfer Modes Supported (Gb/s)	3.0/1.5
Simultaneous SDTV Streams Supported (Assumes 256K host buffer per stream)	10
Simultaneous HDTV Streams Supported (Assumes 2MB host buffer per stream)	10
Power-On to Ready (typical, sec)	16
Standby to Ready (typical, sec)	16
Maximum External Transfer Rate (MB/s)	300
<b>Voltage</b>	
Voltage Tolerance (including noise)	5V ± 5%, 12V ± 10%
<b>Environmental</b>	
Temperature (°C)	
Operating (ambient min)	0
Operating (drive case max)	75
Non-operating (ambient min)	-40
Non-operating (ambient max)	70
Temperature Gradient, Operating/Non-operating (°C per hour max)	20/30
Relative Humidity, Operating/Non-operating (non-condensing, %)	5 to 90/5 to 95
Wet Bulb Temperature, Operating/Non-operating (°C max)	37.7
<b>Shock</b>	
Operating: 2 ms (max, Gs)	63
Non-operating: 1 ms (max, Gs)	350
<b>Vibration, Operating</b>	
5-22 Hz (limited displacement) (Gs)	0.50
22-350 Hz (Gs)	0.50
350-500 Hz (Gs)	0.25
<b>Vibration, Non-operating:</b>	
5-22 Hz (limited displacement) (Gs)	5.00
22-350 Hz (Gs)	5.00
350-500 Hz (Gs)	1.00
<b>Power Management</b>	
Start-up Current (12 V typical, amps)	2.0
Consumer Storage Profile (W)	5.75
Idle Average (W)	5.25
Standby/Sleep Mode (typical, W)	1.0
<b>Acoustics</b>	
PVR Profile (typical/max, bels)	2.4/2.5
<b>Reliability</b>	
Non-recoverable Read Errors per Bits Read	1 sector per 10 <sup>14</sup>
Annualised Failure Rate (AFR):	0.68%
Contact Start-Stop Cycles (25°C, 50% relative humidity)	50,000
<b>Dimensions</b>	
Height (mm/in, max)	20.2/0.794
Width (mm/in, max)	101.6/4.000
Depth (mm/in, max)	146.99/5.787
Weight (g/lb, max)	382/0.842

<sup>1</sup>One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.

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