Seagate ®

DB35.4 Series™

Quiet, reliable hard drives optimized 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 optimization and content security.
- Available Seagate Secure™ technology improves content security as part of a system digital rights management strategy.
- Seagate® SoftSonic™ motor technology and optimized seek profiles enable years of quiet, worry-free operation.

*Compatible with UDMA-2, -3 and –4

Works with Windows® Vista®

Seagate Secure™

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Best-Fit Applications

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

Seagate Global Customer Support

- Get presales and technical support at support.seagate.com.
- Visit our knowledge base for answers to common support questions.
- Find documentation for current and legacy drives.
- Seagate also offers multi-lingual phone, email and chat support.
- Seagate Design Service Centers improve product performance and reliability while increasing your time to market by solving CE design issues quickly and efficiently.

www.seagate.com
1-800-SEAGATE (1-800-732-4283)

Specifications	250 GB[1]
Model Number	ST3250310CS
Interface Options	SATA 3Gb/s
Performance	
Cache, Multisegmented (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
Voltage	
Voltage Tolerance (including noise)	5V ± 5%, 12V ± 10%
Environmental	
Temperature (°C) Operating (ambient min)	0
Operating (drive case max)	75
Nonoperating (ambient min)	−40
Nonoperating (ambient max)	70
Temperature Gradient, Operating/Nonoperating (°C per hour max)	20/30
Relative Humidity, Operating/Nonoperating (non-condensing, %)	5 to 90/5 to 95
Web Bulb Temperature, Operating/Nonoperating (°C max)	37.7
Shock Operating: 2 ms (max, Gs)	63
Nonoperating: 1 ms (max, Gs)	350
Vibration, Operating 5-22 Hz (limited displacement) (Gs)	0.50
22-350 Hz (Gs)	0.50
350-500 Hz (Gs)	0.25
Vibration, Nonoperating 5-22 Hz (limited displacement) (Gs)	5.00
22-350 Hz (Gs)	5.00
350-500 Hz (Gs)	1.00
Power Management	
Startup 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
Acoustics	
PVR Profile (typical/max, bels)	2.4/2.5
Reliability	
Nonrecoverable Read Errors per Bits Read	1 sector per 10E14
Annualized Failure Rate (AFR)	0.68%
Contact Start-Stop Cycles (25°C, 50% relative humidity)	50,000
Dimensions	
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

[1]One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.