



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI CINEMASTAR C5K320. You'll find the answers to all your questions on the HITACHI CINEMASTAR C5K320 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI CINEMASTAR C5K320
User guide HITACHI CINEMASTAR C5K320
Operating instructions HITACHI CINEMASTAR C5K320
Instructions for use HITACHI CINEMASTAR C5K320
Instruction manual HITACHI CINEMASTAR C5K320

CinemaStar™ C5K320
2.5-INCH CE HARD DRIVES

HITACHI
Inspire the Next

Digital video and surveillance storage for slim designs and 24x7 operation

Highlights

- > Low-profile 2.5-inch design—9.5mm
- > Video hard drive with capacities up to 320GB¹
- > 24x7 availability²
- > SmoothStream™ technology
- > Silent-seek acoustics for CE applications
- > SMART Command Transport (SCT) for streaming optimization
- > Best-in-class power utilization to help meet energy compliance targets

Applications / Environments

- > Digital Video Recorders / Set-top Boxes
- > Portable Video Players
- > DVR-enabled Televisions
- > DVD/HDD Recorders
- > High-end Audio Systems
- > Video surveillance

Features and Benefits

	Feature / Function	Benefits
Capacity	Up to 320GB of storage	Capacity equivalence of 320 hours standard video, 114 movies, 39,000 4-min songs or 160 video games ³
Reliability	TMR iMnCr read head	Better performance and data reliability
	Thermal Fly-height Control (TFC)	Better soft error rate for improved reliability
	Media Maintenance	Prevents track wear-out
Performance	SMART Command Transport (SCT) ERP Control	Fewer streaming disruptions and improved error recovery timing for optimum AV performance
Power	1.8W read and write power	Helps reduce energy costs
Acoustics	Silent seek	Ultra-quiet operation
Interface	SATA 1.5Gb/s	SmoothStream Technology

¹Actual storage may vary depending on the data reduction method used. ²Capacities may vary according to format.

Expanding the CinemaStar family
CinemaStar™ C5K320 is the newest Hitachi 5400 RPM, 2.5-inch consumer electronics hard drive with capacities from 120GB to 320GB. The 160GB/platter one- and two-disk models have been customized to support digital video and surveillance applications. In addition to improved Perpendicular Magnetic Recording (PMR) head technology and other reliability-focused enhancements, Hitachi SmoothStream technology supports the ATA-7 streaming command set, and SCT provides time-limited error recovery and thermal monitoring capabilities. CinemaStar C5K320 is offered with silent-seek acoustics for ultra-quiet operation. Hitachi continues to provide low-power leadership and cool-running operation to make the C5K320 an ideal choice for surveillance systems and home DVR applications. This third generation compact CinemaStar drive expands the Hitachi product lineup to provide manufacturers with more energy-efficient options for next-generation slim video systems.

Reliability leadership
Hitachi has enhanced TFC for improved error rates and tunneling magneto-resistive (TMR) read heads for enhanced data reliability on the CinemaStar C5K320. Hitachi offers customers system design and integration services including, but not limited to hard drive selection, optimization, software compatibility assessment, performance profiling and problem analysis and reliability consultation. Team Hitachi is ready to help you deliver a successful video device. The Hitachi CinemaStar product line is optimized for video applications for any size system.

320, 250, 160 and 120GB
5400 RPM | SATA 1.5Gb/s

DATA SHEET
www.hitachigst.com



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Manual abstract:

In addition to improved Perpendicular Magnetic Recording (PMR) head technology and other reliability-focused enhancements, Hitachi SmoothStream technology supports the ATA-7 streaming command set, and SCT provides time-limited error recovery and thermal monitoring capabilities. CinemaStar C5K320 is offered with silent-seek acoustics for ultra-quiet operation. Hitachi continues to provide low-power leadership and cool-running operation to make the C5K320 an ideal choice for surveillance systems and home DVR applications. This third generation compact CinemaStar drive expands the Hitachi product lineup to provide manufacturers with more energy-efficient options for next-generation slim video systems. 320, 250, 160 and 120GB 5400 rPM \ SATA 1.5Gb/s Reliability leadership Hitachi has enhanced TFC for improved error rates and tunneling magneto-resistive (TMR) read heads for enhanced data reliability on the CinemaStar C5K320. Hitachi offers customers system design and integration services including, but not limited to hard drive selection, optimization, software compatibility assessment, performance profiling and problem analysis and reliability consultation. Team Hitachi is ready to help you deliver a successful video device. @@@@areal density (Gbits/sq. @@Accessible capacity may be less.

@@@@@@Contact Hitachi Global Storage Technologies for further information. @@@@Some countries have laws that may affect encryption-enabled devices. Hitachi GST assumes no responsibility for compliance with laws that apply to our products after they are sold or outside of our control. Accordingly, we suggest that you review all laws of the countries where you conduct business. Product specifications provided are sample specifications and do not constitute a warranty.

Information is true as of the date of publication and is subject to change. Actual specifications for unique part numbers may vary. Please visit the Support section of our website, www.hitachigst.com/support, for additional information on product specifications.

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