
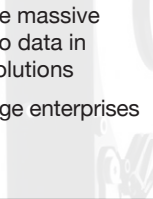
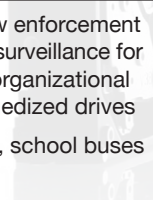
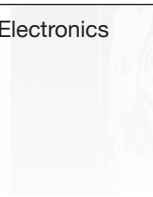


## Surveillance-optimized drives from Hitachi: a wise choice

For the most demanding surveillance workloads, Hitachi delivers high-capacity hard drives optimized for around-the-clock dependability. Their ideal blend of performance and best-in-class power efficiency means robust operation and energy savings that go straight to your bottom line.

### Surveillance Markets Served by Hitachi

Surveillance market segments	Hitachi Surveillance products	Key specifications	Capacity <sup>1</sup> points	Part number	Seagate offering
Indoor Video	CinemaStar™ 7K1000.B				SV35
Focusing on the need to safeguard organizational information and property <b>Applications:</b> Residential, SMB		<ul style="list-style-type: none"><li>■ 24x7 availability</li><li>■ 1.2M hrs. MTBF</li><li>■ 3-year warranty</li><li>■ ATA-7 / Surveillance optimized</li></ul>	160GB	0A37585	
			250GB	0A37586	
			320GB	0A37587	
			500GB	0A37589	
			750GB	0A37592	
			1TB	0A37594	
Enterprise	Deskstar™ E7K1000				Barracuda ES
Reliably and securely store massive amounts of captured video data in multi-drive RAID-based solutions <b>Applications:</b> Casinos, large enterprises		<ul style="list-style-type: none"><li>■ 24x7 availability</li><li>■ 1.2M hrs. MTBF</li><li>■ 5-year warranty</li><li>■ Rotational Vibration Safeguard (RVS)</li><li>■ ATA-7 / Surveillance optimized</li></ul>	500GB	0A38025	
			750GB	0A38027	
			1TB	0A38028	
Mobile / Ruggedized	Endurastar™ J4K50				EE25
Mobile surveillance for law enforcement and military; and outdoor surveillance for safeguarding public and organizational interest, both require ruggedized drives <b>Applications:</b> Police cars, school buses		<ul style="list-style-type: none"><li>■ 24x7 availability</li><li>■ Expanded operating temp range from -30°C to +85°C</li><li>■ Operating altitude range of up to 5000 meters</li></ul>	30, 40 & 50GB	Contact Hitachi Sales Rep.	
	CinemaStar C5K320				None
<b>Applications:</b> Consumer Electronics		<ul style="list-style-type: none"><li>■ 24x7 availability</li><li>■ High capacity</li><li>■ Optimized for video applications</li><li>■ Ultra-quiet operation</li><li>■ Best-in-class power utilization</li></ul>	120GB	0A58612	
			160GB	0A58613	
			250GB	0A58615	
			320GB	0A58617	



The EcoTrac symbol identifies Hitachi hard drives that deliver on the principles of lower operating costs, smaller carbon footprint, safer product disposal and creation of a more sustainable environment.

Choose wisely:

[www.hitachigst.com/surveillance](http://www.hitachigst.com/surveillance)

Eco-friendly surveillance drives from Hitachi are optimized for environments where 24x7 operation and high reliability are critically important. Designed to record multiple, simultaneous video streams, Hitachi drives serve the indoor video, enterprise and mobile surveillance markets.

Choose wisely at [www.hitachigst.com/surveillance](http://www.hitachigst.com/surveillance)

### Surveillance solutions attributes supported by Hitachi HDDs

- 24x7 availability
- High reliability (especially in RAID configurations to avoid lengthy rebuilds)
- ATA-7 support (same functionality as for DVR, STB)
- Drive monitoring support (SMART reporting and/or logging)
- High capacity
- Eco-friendly, power-efficient design
- Improved acoustics (especially for home or small business use)
- Easy integration and worry-free field upgrades



	Indoor Video		Enterprise		Mobile / Ruggedized		
	Hitachi CinemaStar 7K1000.B	Seagate SV35.2	Hitachi Deskstar E7K1000	Seagate Barracuda ES.2	Hitachi Endurastar J4K50	Hitachi CinemaStar C5K320	Seagate EE25
Capacity (GB) <sup>1</sup>	1000 / 750 / 500 / 250 / 160	750 / 500 / 320 / 250 / 160	1000 / 750 / 500	1000 / 750 / 500 / 250	50 / 40 / 30	320 / 250 / 160 / 120	80 / 60 / 40 / 30
Seek, read (ms, typical)	14	17	8.5	8.5	NA	13	11
Seek, write (ms, typical)	14	14	8.5	9.5	NA	14	NA
MTBF (hours)	1.2M	1M	1.2M	1.2M	NA	NA	1M
Availability (hrs/day x days/wk)	24x7	24x7	24x7	24x7	24x7	24x7	24x7
Temperature, op	0° to 65°C	0° to 60°C	0° to 60°C	5° to 55°C	-30° to +85°C	5° to 65°C	-30° to +85°C
Humidity, op (non-condensing)	8° to 90°C	5° to 90°C	8° to 90°C	NA	NA	8° to 90°C	5° to 90°C
Power, idle (W)	3.6 - 5.2	NA	4.4 - 5.2	8	0.8	1.7	NA
Shock, op (half-sine wave)	70	63	70	63	250	200	150
Vibration, op (random, G RMS 5 to 500 Hz)	0.67	0.25	0.67	NA	3.0	NA	2.0
Acoustics, idle (Bels, typical)	2.5 - 2.8	2.8	2.4 - 2.7	2.7	2.4	2.3	2.2
Warranty	3 years	5 years	5 years	5 years	3 years	3 years	5 years

<sup>1</sup> One GB is equal to one billion bytes and one TB equals 1,000GB (one trillion bytes) when referring to hard drive capacity. Accessible capacity may be less.

For more information contact:

Hitachi Sales Manager—Marie Romero: [marie.romero@hitachigst.com](mailto:marie.romero@hitachigst.com)

Hitachi Product Manager at ASI—Andrew Lopez: [andrew.lopez@asipartner.com](mailto:andrew.lopez@asipartner.com)

© 2008 Hitachi Global Storage Technologies

Hitachi Global Storage Technologies  
3403 Yerba Buena Road  
San Jose, CA 95135 USA

Produced in the United States 12/08.  
All rights reserved.

CinemaStar™, Deskstar™ and Endurastar™ are trademarks of Hitachi Global Storage Technologies. Other trademarks are property of their respective companies.