



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 ¹ points	Part number	
Indoor Video	CinemaStar™ 7K1000.B				
Focusing on the need to safeguard organizational information and property Applications: Residential, SMB		<ul style="list-style-type: none"> ■ 24x7 availability ■ 1.2M hrs. MTBF ■ 3-year warranty ■ ATA-7 / Surveillance optimized 	160GB	0A37585	
			250GB	0A37586	
			320GB	0A37587	
			500GB	0A37589	
			1TB	0A37594	
	CinemaStar 5K500				
Cool, quiet, power-efficient storage for digital video applications Applications: Residential, SMB		<ul style="list-style-type: none"> ■ 24x7 availability ■ 1.2M hrs. MTBF ■ 3-year warranty ■ ATA-7 / Surveillance optimized ■ CoolSpin technology 	500GB	0A37965	
Enterprise	Deskstar™ E7K1000				
Reliably and securely store massive amounts of captured video data in multi-drive RAID-based solutions Applications: Casinos, large enterprises		<ul style="list-style-type: none"> ■ 24x7 availability ■ 1.2M hrs. MTBF ■ 5-year warranty ■ Rotational Vibration Safeguard (RVS) ■ ATA-7 / Surveillance optimized 	500GB	0A38025	
			750GB	0A38027	
			1TB	0A38028	
Mobile / Ruggedized	CinemaStar C5K500				
Ideal for high-capacity digital video and surveillance storage for slim designs and 24x7 operation Applications: Public safety, law enforcement		<ul style="list-style-type: none"> ■ 24x7 availability ■ High capacity ■ Optimized for video applications ■ Best-in-class power utilization ■ ATA-7 / Surveillance optimized 	160GB	0A70531	
			250GB	0A70532	
			320GB	0A70533	
			500GB	0A70535	
		CinemaStar C5K320			
		<ul style="list-style-type: none"> ■ 24x7 availability ■ High capacity ■ Optimized for video applications ■ Ultra-quiet operation ■ Best-in-class power utilization 	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

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

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	Hitachi CinemaStar 5K500	Competitor A Product A	Hitachi Deskstar E7K1000	Competitor A Product B	Hitachi CinemaStar C5K500	Hitachi CinemaStar C5K320
Capacity (GB) ¹	1000 / 500 / 250 / 160	500	1000 / 750 / 500 / 320 / 250	1000 / 750 / 500	1000 / 750 / 500 / 250	500 / 320 / 250 / 160	320 / 250 / 160 / 120
Seek, read (ms, typical)	14	NA	14	8.5	8.5	15	13
Seek, write (ms, typical)	14	NA	15	8.5	9.5	15	14
MTBF (hours)	1.2M ★	1.2M ★	>1M	1.2M ★	1.2M	NA	NA
Availability (hrs/day x days/wk)	24x7	24x7	24x7	24x7	24x7	24x7	24x7
Temperature, op	0° to 65°C	0° to 70°C	0° to 70°C	0° to 60°C ★	5° to 55°C	5° to 65°C	5° to 65°C
Humidity, op (non-condensing)	8% to 90%	8% to 90%	5% to 90%	8% to 90%	NA	8% to 90%	8% to 90%
Power, idle (W)	3.6 - 5.2 ★	3.2 ★	8.0 - 9.8	4.4 - 5.2 ★	8	1.3	1.7
Shock, op (half-sine wave)	70 ★	70 ★	63	70 ★	63	225	200
Vibration, op (random, G RMS 5 to 500 Hz)	0.67	0.67	0.25	0.67	NA	NA	NA
Acoustics, idle (Bels, typical)	2.5 - 2.8 ★	2.2 - 2.4 ★	2.7 - 2.9	2.4 - 2.7	2.7	2.4	2.3
Warranty	3 years	3 years	5 years	5 years ★	5 years	3 years	3 years

¹ 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.

★ Identifies Hitachi leadership

© 2009 Hitachi Global Storage Technologies

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

Produced in the United States 3/09. All rights reserved.

CinemaStar™, Deskstar™ and Endurastar™ are trademarks of Hitachi Global Storage Technologies.

Product specifications provided are sample specifications, were obtained from public datasheets for each respective product and do not constitute a warranty. Information is true as of the date of publication and is subject to change without notice.

