

TOSHIBA



[View more](#)

S300 Pro Surveillance Hard Drives

Built tougher to protect

Elevate your security solutions with the Toshiba S300 Pro Surveillance Hard Drive. Engineered for relentless reliability, it offers up to a massive 10 TB storage capacity to capture and retain every critical moment for long periods with real-time object identification and face recognition. Accommodating up to 64 video cameras, it's ideal for comprehensive surveillance setups. Benefit from high-end drive performance that delivers superior video quality and seamless streaming. Built to the highest quality standards, you'll have peace of mind knowing that your surveillance footage is stored securely.

Use for

- Surveillance Digital Video Recorders (sDVR)
- Surveillance Network Video Recorders (sNVR)
- Hybrid sDVR (analog and IP)
- RAID Storage Arrays for Surveillance

Top Features

- SATA 3.5" SATA Hard Drive
- RPM 7,200 rpm
- 512 MB buffer
- Up to 64 cameras
- 24/7 24/7 operation
- 5-year warranty

Capacities

10	8	6	4
TB	TB	TB	TB



S300 Pro
Surveillance Hard Drive – 10 TB

Retail Number	n/a
Bulk Number	MD10ADA10TV

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Number of cameras supported	64
Drive bays supported	24
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	300
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	5

Power Management

Supply voltage	5 VDC +10 / -7 % 12 VDC ±10 %
Consumption (operating)	9.07 W typ.
Consumption (active idle)	5.74 W typ.

Environmental

Temperature (operating/non-operating)	0 to 65 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g

S300 Pro

Surveillance Hard Drive – 10 TB

Retail Number	n/a
Bulk Number	MD10ADA10TV

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	17 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	510 kg
Country of Origin	Philippines

S300 Pro

Surveillance Hard Drive – 8 TB

Retail Number	n/a
Bulk Number	MD10ADA800V

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Number of cameras supported	64
Drive bays supported	24
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	300
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	5

Power Management

Supply voltage	5 VDC +10 / -7 % 12 VDC ±10 %
Consumption (operating)	9.07 W typ.
Consumption (active idle)	5.74 W typ.

Environmental

Temperature (operating/non-operating)	0 to 65 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	755 g

S300 Pro
Surveillance Hard Drive – 8 TB

Retail Number	n/a
Bulk Number	MD10ADA10TV

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	17 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	510 kg
Country of Origin	Philippines

S300 Pro
Surveillance Hard Drive – 6 TB

Retail Number	n/a
Bulk Number	MD10ADA600V

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Number of cameras supported	64
Drive bays supported	24
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	300
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	5

Power Management

Supply voltage	5 VDC +10 / -7 % 12 VDC ±10 %
Consumption (operating)	8.19 W typ.
Consumption (active idle)	4.92 W typ.

Environmental

Temperature (operating/non-operating)	0 to 65 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	730 g

S300 Pro

Surveillance Hard Drive – 6 TB

Retail Number	n/a
Bulk Number	MD10ADA600V

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	495 kg
Country of Origin	Philippines

S300 Pro

Surveillance Hard Drive – 4 TB

Retail Number	n/a
Bulk Number	MD10ADA400EV

Basic Specifications

Form factor	3.5-inch
Interface	SATA 6.0 Gbit/s
Recording Technology	CMR
Number of cameras supported	64
Drive bays supported	24
Rotational Vibration (RV) Sensors	yes
Shock Sensor	yes
Advanced Format (AF)	yes
RoHS compatible	yes
Halogen free	yes

Performance

Rotational speed (rpm)	7,200
Max. data transfer speed (sustained MB/s Typ.)	281
Buffer size (MB)	512

Reliability

Workloads (TB/year)	300
MTTF (hours)	1,200,000
Unrecoverable error rate	1 per 10 ¹⁴
24 x 7 operation	yes
Load/Unload cycle	600,000
Limited warranty (years)	5

Power Management

Supply voltage	5 VDC +10 / -7 % 12 VDC ±10 %
Consumption (operating)	7.42 W typ.
Consumption (active idle)	4.14 W typ.

Environmental

Temperature (operating/non-operating)	0 to 65 °C -40 to 70 °C
Vibration (operating)	7.35 m/s ² {0.75 G} (5 to 300 Hz) 2.45 m/s ² {0.25 G} (300 to 500 Hz)
Vibration (non-operating)	29.4 m/s ² {3.0 G} (5 to 500 Hz)
Shock (operating)	686 m/s ² {70 G} (2 ms duration)
Shock (non-operating)	2,450 m/s ² {250 G} (2 ms duration)
Acoustics (idle mode)	34 dB typ.

Physical

Dimensions	147 (L) x 101.85 (W) x 26.1 (H) mm
Weight	710 g

S300 Pro

Surveillance Hard Drive – 4 TB

Retail Number	n/a
Bulk Number	MD10ADA400EV

Logistic Information (Bulk)

Master Carton quantity	20 pcs
Master Carton size	410 (L) x 308 (W) x 228 (H) mm
Master Carton Weight	16 kg
Pallet quantity per layer	120 pcs
Number of Layer	5 layer
Pallet quantity	600 pcs
Pallet size	870 (L) x 970 (W) x 1,272 (H) mm
Pallet weight	483 kg
Country of Origin	Philippines