

GRAVADOR DIGITAL DE VÍDEO

- » Compatível com 5 tecnologias: AHD + TVI + CVI + CVBS + IP
- » Compressão de vídeo H.265 e H.264
- » Saídas de vídeo VGA e HDMI
- » Visualização em 1080p
- » Compatibilidade com protocolo Onvif
- » Função BNC + IP – Adiciona câmeras IP ao DVR
- » Suporta 1 HDs SATA de alta capacidade



Sistema

Processador principal	Integrado de alta performance
Sistema operacional	Linux® embarcado

Vídeo

Entradas	4 canais BNC / 2 BNC + 2 canais IP/ 9 canais IP (No modo NVR)
Compatibilidade	AHD / TVI / CVI / IP / CVBS

Áudio

Entrada de áudio	1 canal com conector do tipo RCA
Saída de áudio	1 canal com conector do tipo RCA

Display

Saída de vídeo (monitores)	1 HDMI / 1 VGA
Resoluções de saída (em pixels)	1920×1080, 1280×1024, 1280×720 (HDMI / VGA)
Divisão do mosaico da tela	1 / 4 / 9
Máscara de privacidade	3 zonas configuráveis por canal
Informações em tela	Nome do canal, Hora, Perda de vídeo, Alarme, Detecção de movimento, Gravação

Gravação

Compressão de vídeo/áudio		H.265, H.264 / G.711u, G.711a	
Modo de gravação		Manual, contínua com condição de sobrescrever, agendada, detecção de movimento	
Resoluções de encoder	Stream principal	AHD, TVI e CVI	4 canais em 5MP_Lite (1296×1944 em 8fps) 4 canais em 4MP_Lite(1280×1440 em 15fps) 4 canais em 3MP_Lite (1024×1536 18fps) 4 canais em 1080N(960×1080 em 18fps) 4 canais em 720P(1280×720 em 20fps) 4 canais em 960H(960×480 em 30fps)
		IP	8 canais em 5MP (2592×1944 em 30fps) 9 canais em 4MP (2688×1520/2560×1440 em 30fps) 9 canais em 3MP (2048×1536 em 30fps) 9 canais em 1080P (1080×1920 em 30fps) 9 canais em 960P (1280×960 em 30fps) 9 canais em 720P (1280×720 em 30fps) 9 canais em D1 (720×576/720×480 em 30fps)
		Analógico	960H / D1 / CIF (30 FPS)
Visualização	Stream extra	CIF/D1 (1 até 25fps)	

Detecção de vídeo

Eventos	Gravação, E-mail, Notificações push, Foto, Buzzer
Detecção de vídeo	Detecção de movimento
Reprodução síncrona	1 a 4
Modo de busca	Hora/data e busca inteligente por detecção de movimento
Funções de reprodução	Reproduzir, Pausar, Parar, Retrocesso, Reprodução rápida, Reprodução lenta, Tela cheia, Zoom digital.
Modo de backup	Dispositivo USB (com formatação FAT 32), download por rede, FTP

Rede

Interface	1 conexão RJ45 (10/100 Mbps)
Funções e protocolos	TCP/IP, HTTP, UPnP, DNS, NTP, SMTP, DHCP, FTP, DDNS, RTP, RTSP, RTCP, DynDNS, no-ip
Aplicativo para smartphones (Xelpon Mobile)	iOS (iPhone®) e Android

Armazenamento

Disco rígido interno	1 porta padrão SATA
Capacidade	1 HD (SATA até 8TB)

Interfaces auxiliares

USB	2 portas (1 traseira USB 2.0 e 1 frontal USB 2.0)
RS485	1 porta para controle PTZ

Geral

Fonte de alimentação	12Vdc / 2 A
Potência	≤4W (sem HD)
Ambiente de funcionamento	-10 °C~55 °C / 10%~90% RH
Dimensões (L × A × P)	260 × 43 × 215 mm
Peso	2kg (sem HD)

DT01ABAxxxV SERIES

VIDEO STREAM HDD



Product image may represent a design model.

KEY FEATURES

- Up to 3 TB of Storage Capacity
- 24/7 operation
- Annual workload rating of 72 TB/year
- 3.5-inch Form Factor
- 5940 / 5700 rpm
- SATA up to 6.0 Gbit/s
- Advanced Format (AF) 512e Sector Length

APPLICATIONS

- Video Editing Systems
- Set-Top-Box (STB)
- Digital Video Recorders (DVR)
- Network Video Recorders (NVR)

SPECIFICATIONS

Item		DT01ABA300V	DT01ABA200V	DT01ABA100V	DT01ABA050V
Interface		Serial ATA 3.0 / ATA-8 (6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s)			
Formatted Capacity		3 TB	2 TB	1 TB	500 GB
Performance	Interface Speed (Max)	6.0 Gbit/s			
	Rotation Speed	5940 rpm	5700 rpm		
	Average Latency Time	5.06 ms	5.27 ms		
	Buffer Size	32 MiB			
Logical Data Block Length		HOST: 512 B, DISK: 4096 B			
Supply Voltage	Allowable Voltage	12 V ± 10 % / 5 V ± 5 %			
Power Consumption	Read / Write (Typ.)	5.4 W	4.7 W	5.7 W	
	Low Power idle (Typ.)	4.2 W	3.3 W	3.0 W	
Acoustics (Sound Power)	Idle	24 dB	22 dB	19 dB	
	Seek	25 dB	24 dB	22 dB	

RELIABILITY

Model Number		DT01ABAxxxV
Non-recoverable Error Rate		1 error per 10 ¹⁴ bits read
MTBF		1 000 000 hours

MECHANICAL SPECIFICATIONS

Item	DT01ABA300V	DT01ABA200V	DT01ABA100V	DT01ABA050V
Height (Max)	26.1 mm			
Width	101.6 mm			
Length (Max)	147 mm			
Weight (Max)	680 g		450 g	

ENVIRONMENTAL LIMITS

Item	Specification		
Temperature	Operating	0 °C to 60 °C (No condensation)	
	Non-Operating	- 40 °C to 70 °C (No condensation)	
Humidity	Operating	8 % to 90 % R.H. (No condensation)	
	Non-Operating	5 % to 95 % R.H. (No condensation)	
Shock	Operating	686 m/s ² { 70 G } (2 ms duration)	
	Non-Operating	2940 m/s ² { 300 G } (2 ms half size wave)	3430 m/s ² { 350 G } (2 ms half size wave)
Vibration	Operating	6.57 m/s ² { 0.67 G } (5 to 500 Hz)	
	Non-Operating	10.2 m/s ² { 1.04 G } (2 to 200 Hz)	
Altitude	Operating	- 300 m to 3048 m	
	Non-Operating	- 300 m to 12 000 m	

ENVIRONMENTAL FEATURE

Model Number	DT01ABAxV
RoHS	Compatible

Definition of capacity: Toshiba defines a megabyte (MB) as 1 000 000 bytes, a gigabyte (GB) as 1 000 000 000 bytes and a terabyte (TB) as 1 000 000 000 000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2³⁰ = 1 073 741 824 bytes and therefore shows less storage capacity.

Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

A kibibyte (KiB) means 2¹⁰, or 1024 bytes, a mebibyte (MiB) means 2²⁰, or 1 048 576 bytes, and a gibibyte (GiB) means 2³⁰, or 1 073 741 824 bytes.

MTBF (Mean Time Between Failure) of the HDDs during its life time is 1 000 000 hours. Average HDA surface temperature: 40 °C or less. Continual or sustained operation at case HDA surface temperature above 40 °C may degrade product reliability.

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Read and write speed may vary depending on the host device, read and write conditions, and file size.

3.5-inch" mean the form factor of HDDs. They do not indicate drive's physical size.

Workload is a measure of the data throughput of the year, and it is defined as the amount of data written, read or verified by commands from the host system.

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