

GRAVADOR DIGITAL DE VÍDEO

- » Compatível com 5 tecnologias:
AHD, TVI, CVI, CVBS e IP
- » Compressão de vídeo H.265+ e H.265
- » Saídas de vídeo VGA, HDMI e CVBS
- » Visualização em 4MP
- » 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 | 16 canais BNC / 2 BNC + 14 canais IP / |
| | 4 BNC + 12 canais IP / 6 BNC + 10 |
| | canais IP / 8 BNC + 8 canais IP / 10 |
| | BNC + 6 canais IP / 12 BNC + 4 canais |
| | IP / 14 BNC + 2 canais IP / 16 canais IP |
| Compatibilidade | AHD / TVI / CVI / IP / CVBS |

Áudio

| | |
|------------------|-----------------------------------|
| Entrada de áudio | 2 canais com conector do tipo RCA |
| Saída de áudio | 1 canal com conector do tipo RCA |

Display

| | | |
|---------------------------------|--|---|
| Saída de vídeo (monitores) | 1 HDMI / 1 VGA / 1 CVBS | |
| Resoluções de saída (em pixels) | HDMI | 2560x1440/30Hz, 1920 × 1080P/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |
| | VGA | 1920 × 1080P/60Hz, 1280 × 1024P/60Hz, 1280 × 720P/60Hz, 1024 × 768P/60Hz |
| Divisão do mosaico da tela | 1 / 4 / 8 / 9 / 16 | |
| 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.265, H.264+, H264 / G.711u, G.711a, AAC | | |
| Modo de gravação | Manual, contínua com condição de sobrescrever, agendada, detecção de movimento | | |
| Resoluções de encoder | Stream principal | AHD, TVI e CVI | 16 canais em 5MP_Lite (1296×1944 em 6fps) 16 canais em 4MP_Lite(1280×1440 em 8fps) 16 canais em 3PM_Lite(1024×1536 em 10fps) 16 canais em 1080N(960x1080 em 15fps) 16 canais em 720P(1280×720 em 15fps) 16 canais em 960H(960×480 em 25fps) |
| | | IP | 8 canais em 5MP (2592x1944 em 30fps) 12 canais em 4MP (2688x1520/2560x1440 em 30fps) 12 canais em 3MP (2048x1536 em 30fps) 12 canais em 1080P (1920×1080 em 30fps) 12 canais em 960P (1280x960 em 30fps) 12 canais em 720P (1280x720 em 30fps) 12 canais em D1 (720x576/720x480 em 30fps) |
| | | Analógico | 960H / D1 / CIF (30 FPS) |
| Visualização | Stream extra | CIF/D1 (1 até 12fps) | |

Detecção de vídeo

| | |
|-----------------------|---|
| Eventos | Gravação, E-mail, Notificações push, Foto, Buzzer |
| Detecção de vídeo | Detecção de movimento |
| Reprodução síncrona | 1 a 16 |
| 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 | ≤6W (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 1 073 471 824 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.

Toshiba Electronic Devices & Storage Corporation defines "RoHS-Compatible" products as products that either (i) contain no more than a maximum concentration value of 0.1% by weight in Homogeneous Materials for lead, mercury, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs) and of 0.01% by weight in Homogeneous Materials for cadmium; or (ii) fall within any of the application exemptions set forth in the Annex to the RoHS Directive (Directive 2011/65/EC of the European Parliament and of the Council of 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment). "Homogeneous Material" means a material of uniform composition that cannot be mechanically disjoined (meaning separated, in principle, by mechanical actions such as unscrewing, cutting, crushing, grinding and/or abrasive processes) into different materials. Examples of "Homogeneous Materials" would be individual types of plastics, ceramics, glass, metals, alloys, paper, board, resins and coatings.

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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