

PRODUCT OVERVIEW



INTRODUCTION

TASCAM's DA-6400 is an all-new 64-track recorder that records to an internal SSD drive caddy for live and event recording. Professional I/O options like MADi and Dante make it ideal for live recording, event capture, or as a backup for critical DAW sessions. Available with a single or dual/redundant power supply, the DA-6400 is an unbeatable option for professional remote recording.

Included with the DA-6400 is an AK-CC25 hot-swappable caddy containing a high-performance 240GB TASCAM solid-state drive. The caddy includes a USB 3 jack for stand-alone use – simply hand the drive to the client to offload the BWAV files into their DAW session. The DA-6400 records 64 tracks at 48kHz/24-bit or 32 tracks at 96kHz/24-bit. Included on the rear panel are SMPTE, word clock, RS-422, parallel and Ethernet connections.

I/O options for the DA-6400 include the IF-MA64/EX interface card, with both coaxial and optical MADi. This card includes a redundant coaxial connection so that MADi is passed through even if power is lost, making it an ideal backup recorder for DAW sessions. Other I/O options include the IF-MA64/BN MADi card, IF-DA64 Dante card, IF-AE16 AES/EBU card, and IF-AN16/OUT analog output card.

No dedicated recorder combines the high performance, flexible operation, and complete reliability of TASCAM's DA-6400 solid-state 64-track recorder.

FEATURES

- 64-track recording to internal solid-state drive as 48kHz/24-bit BWAV files
- 32-track recording at 96kHz/24-bit
- Two option card slots support MADi, Dante, and AES/EBU connections, with more to come
- Hot-swappable AK-CC25 drive caddy houses an SSD drive, and includes USB 3 for simple file transfer
- TASCAM 240GB SSD drive included
- RS-422 serial control and parallel control
- Internal TCXO sample clock with 1ppm accuracy
- SMPTE timecode in and out on BNC connectors
- Gigabit Ethernet for file transfer, remote control, and SNTP internal clock set
- Video and word clock in/thru/out
- Highly visible 320x120 pixel LCD display
- iPad and computer applications for remote control
- One rackspace size for easy installation
- Cascade up to four units for 256-track recording
- DA-6400DP also available with dual/redundant power supplies
- Available I/O option cards:
 - IF-MA64/EX – 64-ch MADi optical & coaxial I/O card with redundant MADi through on coax
 - IF-MA64/BN – 64-ch MADi coaxial I/O card
 - IF-DA64 – 64-ch Dante I/O interface card
 - IF-AE16 – 16-ch AES/EBU I/O card
 - IF-AN16 – 16-ch Analog output for installation

PANELS AND OPTIONS



DA-6400 (top) and DA-6400dp (bottom) rear panel

IF-MA64/EX



64-channel MADI Interface, Coaxial and Optical. Features a redundant MADI thru that passes audio even if power is removed.

IF-AN16/OUT



16-channel analog output, DB-25, ideal for installation

IF-MA64/BN



64-channel MADI Interface, Coaxial interface

AK-CC25



Internal Solid State Drive caddy with USB 3 for file transfer

IF-DA64



64-channel Dante Interface, CAT5 interface

TSSD-240A / TSSD-480A



240GB and 480GB solid state drives with TASCAM-specified controller chips continues recording for hours and hours

IF-AE16



16-channel AES/EBU Interface, DB-25, compatible with double-speed 96kHz signals.

SPECIFICATIONS**General**

Recording media: SSD/HDD
File System: FAT32
File Formats: BWF format (wav extension)
Number of channels: 64 channels at
44.1kHz/48kHz sampling frequency, 32 channels
at 88.2/96kHz sampling frequency
Quantization/bit depth: 16/24-bit
Sampling frequencies: 44.1, 48, 88.2, or 96kHz
Clock references: Internal, Word in, Video in, Slot
1, Slot 2
Timecode frame rates: 23.976, 24, 25, 29.97DF,
29.97NDF, 30DF, 30NDF FPS

Analog audio output*PHONES connector*

Connector: 6.3-mm (1/4") standard stereo jack
Phones Maximum output level: 45 mW + 45 mW
or more (THD+N 0.1% or less, 32Ω load)

Control input and output*USB port*

Connector: USB 2.0 A-type
Protocol: USB 2.0 Hi-speed (480mbps)

Timecode In

Connector: BNC
Signal voltage amplitude: 0.5–5 Vp-p
Input impedance: 10kΩ
Format: SMPTE 12M-1999 compliant

Timecode out

Connector: BNC
Signal voltage amplitude: 2 Vp-p
Input impedance: 600Ω
Format: SMPTE 12M-1999 compliant

Word/Video In

Connector: BNC
Signal voltage amplitude: 0.5–5 Vp-p
Input impedance: 75Ω ±10% (termination on)
Input frequency (Word): 44.1, 48, 88.2, 96kHz
Input signal (Video): 24, 25, 29.97, 30-frame
(NTSC/PAL blackburst, HDTV tri-level)

Word/Video Thru/Out

Connector: BNC
Signal voltage amplitude: 5 TTL equivalent
Output frequency (Word): 44.1, 48, 88.2, 96kHz
(Video): Thru only

Ethernet

Connector: RJ45
Compatible standards: 100BASE-TX, 1000BASE-
TX

RS-422

Connector: 9-pin D-sub (Female, Inch-standard)

Parallel

Connector: 15-pin D-sub (Female, Inch-standard)
Assignment: Software assignable

Signal voltage amplitude: 0.5–5 Vp-p
Input impedance: 75Ω ±10% (termination resis-
tance on)
Input frequency (Word): 44.1, 48, 88.2, 96kHz
Input signal (Video): 24, 25, 29.97, 30-frame
(NTSC/PAL blackburst, HDTV tri-level)

General / Power supply

AC: 100-240 V, 50-60 Hz
Power consumption: 21 W (when IF-MA64/EX in-
stalled)
Dimensions (W x H x D): 19" x 1.76" x 11.8"(482.6
x 44.9 x 300.5 mm)
DA-6400 Weight: 8.6 lbs. (3.9 kg, no cards in-
stalled)
DA-6400dp Weight: 8.8 lbs. (4.0 kg, no cards
installed)
Operating temperature range: 32°-104° F
(0°-40° C)

SPECIFICATIONS

Options

IF-MA64/EX

Channels (1x Fs): 64-in/64-out
Format : MAD1
Coaxial In/Out/Redundant Thru Connectors: BNC
Optical In/Out Connectors: Multi-Mode
62.5/125um, wavelength 1300nm

IF-MA64/BN

Channels: 64-in/64-out
Format : MAD1
In/Out Connectors: BNC

IF-DA64

Channels: 64-in/64-out
Format : Dante
Networks: Primary, Secondary
In/Out Connectors: RJ45 (x2)

IF-AE16

Channels: 16-in/16-out
Format : AES/EBU
In/Out Connectors: DB-25 (x2)

IF-AN16

Channels: 16-out
Format : Analog
Output Connectors: DB-25 (x2)

IF-MA64/BN

Channels: 64-in/64-out
Format : MAD1
Coaxial In/Out Connectors: BNC

AK-CC25

Interfaces:
Serial ATA (for internal connection and power)
USB 3.0 micro-B (for external connection and power)

TSSD-240A

Interface: Serial ATA 3.0 (6Gbps)
Capacity: 240GB
Size: 2.5 inch

TSSD-480A

Interface: Serial ATA 3.0 (6Gbps)
Capacity: 480GB
Size: 2.5 inch