TASCAM® PRO AUDIO 2010
TEAC PROFESSIONAL

SOLID STATE MULTITRACK AUDIO RECORDER

HS-P82

- Dual Compact Flash recording media supports backup, mirroring and seamless A/B recording
- Long battery life through low power usage
- Easy to read and operate using pivoting TFT Color Touch Panel interface
- All-aluminum chassis is rugged yet lightweight
- 8-track recording plus stereo mix for a total of 10-track recording
- 8-track recording at up to 96kHz/24-bit
- 4-track recording at 192kHz/24-bit
- Broadcast WAV (BWF) support with iXML metadata
- Various power options include AA batteries (x10), NP type, AC adaptor, external DC input and optional V-mount adaptor for ENDURA batteries
- Up to 5-second pre-record buffer
- Internal microphone for slate recording
- Limiter and low-cut filter per track
- Auto or manual cue points
- Alert signal to headphone output
- Retake function
- Panel lockout function to prevent accidental transport switching
- 8 high-quality microphone preamps and A/D converters with independent +48V phantom power for each (standard XLR connectors)
- 8 AES/EBU inputs and outputs (DB-25 connector)
- Sampling rate converter on each AES/EBU input
- 2 balanced analog outputs (XLR connector)
- Stereo digital output (BNC connector)
- SMPTE Timecode In and Out (BNC connector)
- Video/Word Clock/Cascade I/O (BNC connector)
- Headphone out (1/4" stereo jack)
- PS/2 keyboard input for track naming
- USB 2.0 high-speed data transfer to PC

TASCAM's **HS-P82** offers 8 tracks of the highest quality recording, yet it's built for the rigors of location recording with reliable solid-state performance. The HS-P82 is built for location television and film production audio, with eight microphone inputs for big shoots or reality programs. The standard XLR microphone inputs include phantom power and analog limiting, with trims controlled from recessed front-panel controls. In addition to the eight individual tracks, a stereo mixdown can be recorded for instant use during editing.

Audio is recorded at up to 192kHz/24-bit WAV format to a pair of Compact Flash cards. This solid state media is completely reliable with no moving parts, and you can record to both cards simultaneously for extra security. The Broadcast WAV files include iXML metadata for quick import into nearly any video or audio editing system, via the USB 2.0 connection or a standard card reader.

The HS-P82 offers several options for power. It runs on either AA or NP batteries, an included AC adapter, external DC input or a V-mount adapter for Endura batteries. An internal slate microphone is available for naming takes. A 5-second pre-record buffer, front panel lockout and headphone output alert signal inspire confidence in recorded takes.

For high-resolution music recording, a set of AES/EBU connectors is available for attaching pedigree A/D converters and preamplifiers. SMPTE timecode in and out, video and word sync are provided. All of this is controlled from a color touchscreen interface which makes operation fast and simple.

The HS-P82 from TASCAM is built on 30 years of reliable field recording. See how affordable the state of the art can be with TASCAM's flagship production recorder, the HS-P82.

HS-8

HS-2

TASCAM's **HS-8** and **HS-2** are the first solutions for professional multi-track recording and playback to solid-state media. From studio surround recording to post production playback of HS-P82 location recordings, the HS-8 fits a variety of multitrack roles first pioneered by TASCAM's DA-88 recorders. True to TASCAM tradition, audio is top-quality throughout with up to 192kHz/24-bit recording.

Like the HS-P82, the HS-8 uses a color touch-screen interface to access settings and tracks. A stereo mixer is built in for monitoring, and the mix can be recorded live as a separate track. Audio is recorded as Broadcast WAV files to Compact Flash media, with SMPTE timecode available on various interfaces. A pair of CF card slots is available for data mirroring or continuous recording.

The HS-2 adds affordable stereo recording and playback to solid state media – the ideal broadcast replacement for timecode DAT recorders. The **RC-HS20PD** remote control allows operation of either recorder from a separate room over a RJ-45 connection.

TASCAM's HS-8 and HS-2 provide the sound quality, instant access and ease-of-use that studio and post professionals demand.

- 8-channel/2-channel solid-state recorder
- Records to Compact Flash media, dual slots for mirroring or continuous recording
- 8-channel 96kHz/24-bit Broadcast WAV file recording (HS-8)
- 4-channel recording at 192kHz/24-bit resolution (HS-8)
- 8-channel recording plus stereo mix track at 44.1/48k resolution (HS-8)
- Internal stereo mixer (level/pan, HS-8)
- BWF file format with iXML metadata
- Multi-channel flash start (HS-8)
- Color TFT touch panel interface
- 5-second pre-record buffer
- Cascade function for multiple unit operation

- (8) balanced analog inputs/outputs on 25-pin D-sub connectors (HS-8)
- Balanced stereo analog inputs/outputs on XLR connector (HS-2)
- XLR stereo analog input and output for channels 1 and 2 (HS-8)
- AES/EBU digital I/O (HS-8: 8-channel 25-pin D-sub; HS-2: Stereo XLR)
- XLR stereo AES/EBU I/O for channels 1 and 2 (HS-8)
- 8-channel ADAT optical digital in and out (HS-8)
- Video and word clock on BNC
- SMPTE timecode BNC in/out
- PS/2 keyboard input
- RS-422/RS-232C serial control input

DM-4800

The TASCAM **DM-4800** and **DM-3200** are the ultimate digital consoles for professional users who demand flexible mix platforms that configure to fit their needs. The 64-channel DM-4800 features a "fat channel" strip in the center of the board, providing instant access to 4-band parametric EQ, dynamics and aux controls. A pair of effects processors include TC Reverbs for polished mixes. Twenty-four studio-grade mic preamps provide enough inputs for a live event, and more can be added using expansion cards with external preamps. The standard complement of analog and digital I/O is more than you'll find on consoles costing three times as much, and a completely configurable 24-buss routing system allows you to re-patch the board at the flick of a switch.

TASCAM's DM-4800 fits seamlessly into the modern recording environment based around a computer DAW. Its Remote layer provides 24-fader Mackie HUI or Mackie Control emulation for control of premiere workstations like Pro Tools, Logic, SONAR and Nuendo. The optional IF-FW/DM mkII interface card provides 32 channels to and from a computer at 96kHz over a single FireWire cable. And the optional surround monitoring card provides downmixing, bass management and level control for mixing in up to 6.1 surround.

The 48-channel DM-3200 packs many of the features of the DM-4800 into a smaller size and price, with 16 mic pres and 16 busses for great sounding productions. Options include the MU-1000 meter bridge (pictured) and analog and digital expansion cards.

No matter what your application, the TASCAM DM-4800 and DM-3200 adapt to the needs of any professional audio installation.

DM-3200

- 48 channels and 16 returns for 64 total inputs (DM-3200: 48 inputs)
- 24 busses (16 busses on DM-3200)
- 12 Aux Sends (8 on DM-3200)
- 24 XLR mic/line inputs with analog inserts plus phantom power for condenser mics (16 on DM-3200)
- 24 channels of TDIF and 8 channels of ADAT built in
- 4 expansion card slots support optional expansion cards (2 on DM-3200)
- Dedicated cascade port supports cascade of two consoles
- Channel Strip section for EQ, Dynamics and Aux control of selected channel (DM-4800 only)
- LED ring encoders for pan, aux sends and EQ
- Built-in DAW control layer compatible with Pro Tools®, Logic Pro™, SONAR™, Cubase™, Nuendo™, and Digital Performer™
- Transport buttons control DAW software, RS-422 devices or MMC devices
- Powerful automation with touch-sensitive motorized faders
- 4-band EQ, compression and gating on each channel

- Compression for each aux, buss and main output
- Two built-in effects processors, each able to run TC Reverb programs
- Flexible routing allows any input to be routed to any channel or output
- Offload data to convenient Compact Flash media using built-in CF slot
- (3x) 8-channel TDIF digital inputs and outputs
- 8-channel ADAT optical digital input and output
- (2) Stereo AES/EBU and S/PDIF digital inputs and outputs
- Stereo XLR balanced line outputs
- (8) 1/4" TRS balanced assignable insert sends (4 on DM-3200)
- (8) 1/4" TRS balanced assignable insert returns (4 on DM-3200)
- RCA timecode input
- MIDI In, Out and Thru connectors
- BNC Word Sync Input and Out/Thru with termination
- GPI output for parallel control
- RS-422 connector for device control
- USB connector for DAW control modes
- 1/4" Footswitch jack

X-48

- 48-track digital recording at up to 96kHz/24-bit
- 32-bit floating point audio file recording and playback with no loss of track count
- Advanced integrated synchronization and machine control, including HDTV tri-level sync
- Time-stamped Broadcast WAV file format
- Front-panel transport, track arming, project management and metering functions
- Built-in 80GB hard drive and DVD+RW for backup, transfer and restore
- ±6% varispeed
- 48-channel mixing with 6 stereo returns (60 total inputs at mixdown), 6 aux sends and dynamic level automation
- Dynamics, 4-band parametric EQ and 6 aux sends per channel
- 48-channel TDIF I/O standard
- S/PDIF stereo I/O
- Optional analog, AES-EBU and ADAT digital I/O cards (24-channels each, two expansion slots provided)
- SMPTE, MTC and RS-422 synchronization
- Video and Word Clock connectors

TASCAM's new X-48 is the world's first standalone 48-track Hybrid Hard Disk Workstation. Co-developed with SaneWave, it integrates the best of both worlds: the stability and ease-of-use of a purpose-built hard disk recorder, with the GUI, editing and mixing features of a computer-based digital audio workstation.

The X-48 boasts up to 96kHz/24-bit recording across all 48 tracks. Its file compatibility and synchronization surpass even the TEC Award-winning MX-2424, with native Broadcast WAV audio file support and AAF export for compatibility with workstations like Pro Tools®, Nuendo and Logic. Support for FireWire hard drives and Gigabit Ethernet allows simple transfer between systems, making it the ultimate multitrack solution for high-quality music, post and live recording applications. Simply record an event to a FireWire drive, unplug and deliver to a client for mixdown in the DAW of their choice.

The X-48 goes beyond mere standalone recorders with a built-in, automated 48-channel digital mixer and powerful editing functions. Plug in a VGA monitor, mouse and keyboard for editing, track naming and monitor mixing – nothing to install or troubleshoot. A DVD+RW backup drive allows you to archive and update projects.

Trust your live event recording to TASCAM's compact X-48 multitrack hard disk recorder.

DV-RA1000HD

HD-P2

TASCAM's award-winning **DV-RA1000HD** shatters the price barrier to recording mixes and masters to Direct Stream Digital, Sony's 2.822MHz/1-bit "Super Audio" format that must be heard to be believed. The stereo recorder captures audio from 44.1kHz to 192kHz as WAV files. In addition, the breakthrough DSD recording format adds incredible detail with all of the depth and imaging of quality analog recording.

The DV-RA1000HD records directly to a 60GB hard drive or to a CD/DVD optical drive, and DVDs or CDs can be made from hard drive playlists. A USB 2.0 connection allows direct transfer to computer without burning a disc. The rich-sounding analog converters are capable of recording DSD format audio - no additional hardware is required.

Included with the DV-RA1000HD is a wired remote control for dependable punch-in. WAV audio can be processed with built-in 3-band EQ and multiband compression/limiting before burning to disc.

Designed for recording studio mixdown, audiophile archival, live recording and installed sound, you can trust the DV-RA1000HD with your most treasured master recordings.

- High-quality stereo recording at up 192kHz/24-bit or DSD format
- Records to Built-in 60GB hard drive, DVD+RW, CD-R/RW media
- Archives to DVD-R, DVD-RW, DVD+R and DVD+RW discs
- Multiband compression and 3-band EQ mixdown effects
- USB 2.0 connection to PC for use as DVD data drive
- Balanced XLR and unbalanced RCA inputs and outputs
- Balanced AES/EBU inputs and outputs, running at normal, double-speed and double-wire formats
- SDIF-3 DSD input and output for external conversion and processing of DSD audio
- Word Sync In, Out, Thru
- RS-232C serial control
- PS/2 keyboard connector for title editing
- User-definable function keys
- Large, backlit LCD display
- Records to standard CD-DA, Broadcast Wave and DSDIFF formats
- Dedicated input level control and adjustable maximum output level
- ±6% pitch control
- Fade in/out
- Jog playback
- Power on play feature
- Various play and record modes such as auto track increment, auto cue, auto ready, single/continuous play and program A/B play.
- Wired remote control (RC-RA1000) included
- Headphone output

Designed for stereo remote recording, the TASCAM **HD-P2** Portable High-Definition Stereo Audio Recorder is the professional solution for live and on-location applications. Co-developed with Frontier Design Group, it records at up to 192kHz/24-bit resolution to Compact Flash media, and its audio files are instantly available to DAWs through the built-in high-speed FireWire computer connection. Unlike consumer MP3 sketchpads, the professional HD-P2 incorporates high-end features like a SMPTE timecode input for synchronization to external devices while in record or playback. The user interface is designed for fast and intuitive use under stressful one-take-only situations, and its large, angled LCD is perfect for any application from over-the-shoulder location recording to concert recording and commercial use.

The HD-P2 records in stereo from 44.1kHz to 192kHz onto affordable Compact Flash media. The recorded audio is written directly as Broadcast WAV files for immediate use in digital audio workstations. The unit even includes a FireWire jack for the fastest possible transfer of files to your PC or Mac computer.

With professional connectivity, built-in synchronization, high-resolution recording and Compact Flash convenience, the HD-P2 is the professional solution for serious recording in a reliable, portable package.

- XLR mic inputs with phantom power and analog peak limiter
- Unbalanced stereo RCA I/O
- S/PDIF digital I/O
- Headphone output
- Built-in mono microphone and speaker for desktop interview applications
- Analog level controls for easy operation without the need to look at the unit
- FireWire interface for fast data transfer to a computer
- SMPTE/LTC timecode input on locking XLR balanced jack
- Timestamps Broadcast WAV recordings from SMPTE input
- Chase locks to incoming SMPTE timecode
- Video clock input resolves to house clock
- Tri-level sync support for HDTV applications
- Includes Frame Lock, Lock and Release and flexible Free-wheel settings for unpredictable timecode sources
- Pull-up and Pull-down sample rates included for video format compatibility
- Familiar tape machine-style layout and function
- Angled screen for table-top or shoulder strap use
- Large, uncluttered LCD display
- Shortcut keys and LED indicators for frequently-accessed functions
- Recessed Compact Flash slot
- Optional carry case (CS-P2)
- Runs on (8) AA batteries or DC power adapter
- Approximately 5.5 hours of operating time on battery power
- < 2 lbs with batteries

Much more information, including detailed specifications
and owners manuals, is available at www.TASCAM.com