



CODEX DIGITAL PORTABLE RECORDER

TECHNICAL SPECIFICATION

THE MULTIPLE AWARD-WINNING PORTABLE IS THE START OF YOUR TAPELESS WORKFLOW. IT CAN RECORD ANYTHING FROM HD FOR TELEVISION TO THE HIGHEST QUALITY DIGITAL CINEMATOGRAPHY CAMERAS. IT CAN BE CARRIED ON AN OPERATOR'S SHOULDER, OR SECURED TO DOLLIES AND CRANES. THE PORTABLE GIVES YOUR CAMERA CREW THE FREEDOM TO MOVE AROUND A SET OR LOCATION, WITH ENORMOUS RECORDING CAPACITY.

THE PORTABLE CAN RECORD UP TO FIVE HOURS OF CINEMA QUALITY HD MATERIAL, OR EIGHT HOURS OF HIGH-END HD BROADCAST MATERIAL – PLUS AUDIO AND METADATA – ONTO A SINGLE, REMOVABLE DISK PACK. WHEN SHOOTING IS DONE, IT OFFLOADS MATERIAL FASTER THAN REAL-TIME – TYPICALLY THREE TO FIVE TIMES FASTER.

FOR ANYONE WHO WANTS TO WORK FASTER, AT THE HIGHEST QUALITY. A WEATHER-RESISTANT UNIT, THE SIZE OF A TOASTER, AND WEIGHING JUST 4KG/9LB, THE PORTABLE IS IDEAL FOR SINGLE OR MULTI-CAMERA PRODUCTION. IT CAN RECORD SIMULTANEOUSLY FROM TWO 4:4:4 CAMERAS – FOR A&B OR 3D STEREO SHOTS – OR FROM TWO 4:2:2 CAMERAS. SIX SYNCHRONISED PORTABLES CAN EVEN BE USED AS A 24-TRACK VIDEO, 48-TRACK AUDIO-RECORDER – IDEAL FOR AN ENTIRE CONCERT, SPORTING EVENT, OR REALITY TV SHOW.



VIDEO & AUDIO I/O

- 4 x BNC HD-SDI INPUT (2 x DUAL-LINK 4:4:4 OR 2 x SINGLE LINK 4:2:2 INPUTS)
- 2 x BNC HD-SDI OUTPUT (1 x DUAL LINK 4:4:4 OR 2 x SINGLE LINK 4:2:2 OUTPUTS)
- 1 x BNC SDI DOWNCONVERTED OUTPUT
- 25-WAY D-SUB AES/EBU DIGITAL AUDIO I/O (8 CHANNELS I/O, WIRED TO TASCAM TDIF-1 STANDARD)
- 1 x 3.5MM STEREO HEADPHONE MONITOR
- 1 x LTC TIMECODE INPUT/OUTPUT
- GPI RECORD TRIGGER INPUT/OUTPUT
- RS422 MACHINE CONTROL INPUT/OUTPUT

SUPPORTED VIDEO FORMATS

FORMAT

- 1920 x 1080/PSF
- 1920 x 1080PSF
- 1280 x 720P
- COLOUR SPACE
- 10-/8-BIT YCByCr 4:2:2 OR 10-/8-BIT RGB 4:4:4
- 10-/8-BIT YCByCr 4:2:2 DUAL-LINK
- 10-/8-BIT YCByCr 4:2:2 OR 10-/8-BIT RGB 4:4:4
- FRAME RATE
- 23.98, 24, 25, 29.97, 30 FPS*
- 47.96, 48, 50, 59.94, 60 FPS*
- 59.94, 60 FPS

SUPPORTED AUDIO FORMATS

- 16/24-BIT AT 48/96HZ, AES OR HD-SDI EMBEDDED AUDIO AS STANDARD.

SUPPORTED TIMECODE FORMATS

- LTC IN/OUT
- VITC (ANC) IN/OUT

VIRTUAL FILE SYSTEM

- NETWORK ACCESS VIA NFS OR SAMBA
- SUPPORTED FILE TYPES - DPX, JPG AND WAV.
- MANY FURTHER FILE TYPES, INCLUDING NATIVE MXF, IN CONJUNCTION WITH THE CODEX TRANSFER STATION, FOR DIRECT-INJECT INTO POST.

INTERFACE

- TOUCHSCREEN-BASED GRAPHICAL USER INTERFACE.
- IMAGE THUMBNAIL OR DATABASE-STYLE VIEW OF ALL DATA ON SYSTEM
- SHOT-LOGGING AND MANAGEMENT FACILITIES – ADD CAMERA/LENS/SHOT/CONTINUITY METADATA TO ALL TAKES.
- INTERFACE CAN BE RUN LOCALLY, OR REMOTELY ON A COMPUTER.

WIRELESS MONITORING

- REMOTE MONITORING OF RECORDING / PLAYBACK (WITH SYNC AUDIO) VIA SECURE WIRELESS MP4 LINK

NETWORK

- 1 x 10GBPS INFINIBAND PORT, 1 x 1GBPS ETHERNET PORT

STORAGE

- REMOVABLE 400 / 800GB DISKPACK WITH RAID-3 PROTECTION AGAINST DRIVE FAILURE
- SOLID STATE 128-512GB FLASH-DRIVE OPTION
- WAVELET RECORDING AT VARIABLE RATIOS FROM 3:1-16:1

ENVIRONMENT

- POWER: 2 x 10 – 18V DC XLR BATTERY INPUTS
- WEIGHT: 9LBS/4KG
- OPERATING TEMPERATURES: 5 – 40° CENTIGRADE
- DISPLAY: 6.5" VGA DAYLIGHT READABLE WITH TOUCHSCREEN.
- TOP PANEL CONNECTORS: 2 x USB – 2.0, 3.5MM STEREO HEADPHONE JACK.
- TOP PANEL CONTROLS: RECORD, PLAY, STOP, FORWARD, BACK, INPUT MONITOR, VOLUME CONTROL, SCREEN BRIGHTNESS

*ONLY STANDARD FORMATS/FRAME RATES SHOWN. ADDITIONAL NON-STANDARD FORMATS/FRAMES ARE ALSO SUPPORTED

