



ONBOARD/PORTABLE TRANSFER STATION

TECHNICAL SPECIFICATION

THE ONBOARD/PORTABLE TRANSFER STATION IS THE WORKFLOW HUB FOR PRODUCTIONS USING THE CODEX ONBOARD OR PORTABLE. IT PROVIDES FAST BACK-UP FOR THE MATERIAL, DEALS WITH ARCHIVAL, AND PRODUCES THE ENTIRE RANGE OF DELIVERABLES.

THE ONBOARD/PORTABLE TRANSFER STATION HANDLES TWO DATAPACKS FROM THE ONBOARD OR PORTABLE, OR DIRECT DATA-OFFLOAD FROM THE ONBOARD OR PORTABLE. IT CAN ALSO CONTAIN A 9TB INTERNAL DATAPACK AND ONE OR TWO LTO4 BACKUP DRIVES. THE ONBOARD/PORTABLE TRANSFER STATION CAN COPY THE MATERIAL TO THE INTERNAL DATAPACK, COPY BETWEEN DATAPACKS, MAKE ARCHIVE TAPES, AND QUICKLY CONVERT MATERIAL TO A WIDE-RANGE OF FILE-FORMATS FOR POST PRODUCTION. RECORDED MATERIAL CAN BE LOADED INTO THE ONBOARD/PORTABLE TRANSFER STATION AND FILE GENERATION OR ARCHIVAL CAN BEGIN IMMEDIATELY WHILE THE ONBOARD/PORTABLE CONTINUES SHOOTING.

THE ONBOARD/PORTABLE TRANSFER STATION HOLDS MATERIAL ON DATAPACKS, AND USES THE VIRTUAL FILE SYSTEM SYSTEM TO DELIVER SHOTS IN MULTIPLE INDUSTRY-STANDARD FORMATS, SEAMLESSLY TO ARCHIVE TAPE, DISK OR A NETWORK. IT FEEDS ANY POST PRODUCTION WORKFLOW, INCLUDING NATIVE-MODE FILES THAT EDITING SYSTEMS CAN USE WITH NO IMPORTING AT ALL.

IT ALSO DELIVERS FULL-FRAME PLAYBACK AND REVIEW TO VIDEO MONITORS OR TAPE MACHINES, MAKES COMPLETE TAPE PLAYOUTS FROM SHOT-LISTS, AND WILL EVEN CONFORM SIMPLE EDLS FOR DIRECT VIEWING OR PROJECTION.



VIDEO I/O

- 2 x BNC HD-SDI OUTPUTS FOR FOR PLAYOUT OF WAVELET COMPRESSED MATERIAL RECORDED ON A CODEX PORTABLE

NETWORK

- 2 x 1GB/100MB/10MB ETHERNET PORTS
- 1 x 10GB INFINIBAND PORT (OPTION)
- 1 x 10GB ETHERNET PORT (OPTION)

SUPPORTED VIDEO FORMATS

- FORMAT
- 1920 x 1080/SF/P
 - 1920 x 1080P (SONY AND ARRI)
 - 1280 x 720P
 - ARRI M-SCOPE
 - PANASONIC AND ARRI VARIFRAME MODES

COLOURSPACE

- 10-/8-BIT YCBCR 4:2:2 OR 10-/8-BIT RGB 4:4:4
- 10-/8-BIT YCBCR 4:2:2 DUAL-LINK
- 10-/8-BIT YCBCR 4:2:2 OR 10-/8-BIT RGB 4:4:4
- 12-BIT YCBCR 4:2:2 DUAL LINK

FRAME RATE

- 23.98, 24, 25, 29.97, 30 FPS
- 47.95, 48, 50, 59.94, 60 FPS
- 50, 59.94, 60 FPS
- 23.98, 24, 25, 29.97, 30 FPS

TRANSFER AND STORAGE

- DISKBAYS FOR TRANSFER OF ORIGINAL MATERIAL DIRECTLY FROM PORTABLE DATAPACKS (2 BAYS AS STANDARD, ADDITIONAL BAYS OPTIONAL)

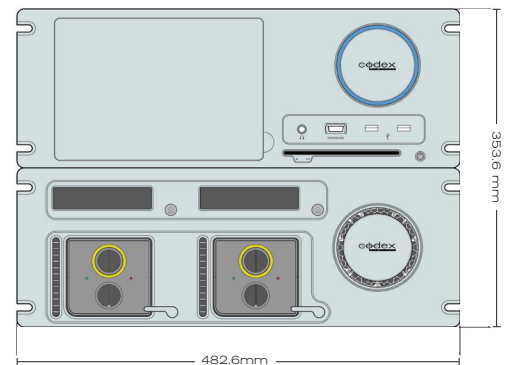
- 2 x REMOVABLE PORTABLE DATAPACKS (NOT INCLUDED) WITH RAID-3 PROTECTION AGAINST DRIVE FAILURE.
- 1 x INTERNAL DATAPACK WITH 9TB CAPACITY (OPTION) FOR FAST OFFLOADING OF MATERIAL FROM PORTABLE DATAPACKS.
- EXAMPLE 430GB DATAPACK CAPACITY: 1 x DATAPACK HOLDS 94MINS OF MATERIAL AT 1920x1080P@25FPS 10-BIT RGB 4:4:4 USING 4:1 WAVELET COMPRESSION RATIO.
- ORIGINAL MATERIAL ON DATAPACKS CAN BE INSTANTLY ACCESSED IN ANY FILE FORMAT, VIA A NETWORK, USING THE VIRTUAL FILE SYSTEM
- 2 x 4GB FIBRE CHANNEL PORTS (OPTION)
- 2 x U320 SCSI PORTS (OPTION)
- 1 x LTO4 DRIVE (SECOND DRIVE OPTION) FOR ARCHIVAL OF MATERIAL

VIRTUAL FILE SYSTEM

- ORIGINAL MATERIAL ON DATAPACKS CAN BE INSTANTLY ACCESSED IN ANY FILE FORMAT, VIA A NETWORK, USING THE VIRTUAL FILE SYSTEM NETWORK ACCESS VIA NFS OR SAMBA
- FLEXIBLE FILE/DIRECTORY PERMISSIONS
- FULLY CUSTOMISABLE DIRECTORY AND FILE NAMING BASED ON SHOT META-DATA
- EXAMPLES OF SUPPORTED FILE TYPES: AVID MXF (INC. DNXHD AND 3D DNXHD), DPX, QUICKTIME, AVI, BMP, JPG, WAV.
- DATA CONVERSIONS PROCESSED ON-THE-FLY BY POWERFUL TWIN QUAD-CORE PROCESSOR SYSTEM.
- SELECTABLE IMAGE RESIZING, COLOURSPACE CONVERSION, COMPRESSION AND LUTS.

ENVIRONMENT

- POWER: 115/230V AC
- WEIGHT: 25KG (UNLOADED) 35KG (WITH 2 DATAPACKS)
- OPERATING TEMPERATURES: 5-40° CENTIGRADE
- OPTICAL DRIVE: DVD RECORDER WITH SUPPORT FOR DVD-RAM, DVD-R/W, DVD+R/W, CD-ROM, CD-R, CD-RW
- FRONT PANEL CONTROLS: POWER, DVD EJECT, 1 x LTO TAPE DRIVE EJECT, 2 x DATAPACK LOCKING LEVERS.
- GRAPHICAL USER INTERFACE FOR OPERATION INCLUDING SHOT-BROWSING AND META-DATA EDITING (MUST BE RUN ON CLIENT COMPUTER)



OPTIONAL CARDS CAN BE USED TO CONNECT TO A VARIETY OF PERIPHERAL DEVICES (E.G. RAID ARRAY, LTO TAPE LIBRARY) FOR BACKUP OF DATA USING INBUILT CODEX OFFLOAD UTILITY