

IT'S A DIGITAL FILM-LAB-IN-A-BOX, AND THE HUB OF YOUR TAPELESS WORKFLOW. THE CODEx DIGITAL LAB MEDIA STATION CAN BE EASILY CONFIGURED TO AUTOMATICALLY PROVIDE A FULL SET OF DELIVERABLES – EVERYTHING YOU NEED FOR YOUR PRODUCTION AND POST, FROM VIEWING COPIES TO ARCHIVES. AND IT CAN PRODUCE THEM ALL IN LESS TIME THAN TRADITIONAL SYSTEMS TAKE TO MAKE A SINGLE COPY.

THE LAB INGESTS DIGITAL PRODUCTION MATERIAL FROM CODEx RECORDERS, AS WELL AS FROM TAPE, TELECINE AND OTHER DIGITAL SYSTEMS. IT PROVIDES HIGH CAPACITY AND EXPANDIBILITY. ALL OF THE MATERIAL CAN BE KEPT ONLINE AND IS IMMEDIATELY AVAILABLE AT ANY TIME FOR DAILY DELIVERABLES AND REPRINTS ON-DEMAND. WHEN THE EDIT IS COMPLETE, THE FINISHING-FILES CAN BE GENERATED AUTOMATICALLY – IN MINUTES OR HOURS, NOT DAYS.

IT CAN COMPLETELY MANAGE A WIDE RANGE OF BROADCAST PRODUCTIONS (MULTI-CAMERA EPISODIC TV, DRAMA, LIGHT ENTERTAINMENT) AND DIGITAL MOTION PICTURES. MULTIPLE PRODUCTIONS CAN BE HANDLED ON A SINGLE UNIT, AND IT IS DESIGNED FOR EASY INTEGRATION INTO THE MCR OF AN EDITING/ VFX FACILITY. THE LAB CAN EVEN BE DIRECTLY-CONNECTED ON SET OR LOCATION.



VIDEO & AUDIO I/O

- 2 x BNC HD-SDI INPUT (A AND B CHANNELS) (DUAL STREAM OPTION: ADDITIONAL 2 x HD-SDI IN)
- 2 x BNC HD-SDI OUTPUT (A AND B CHANNELS) (DUAL STREAM OPTION: ADDITIONAL 2 x HD-SDI OUT)
- 1 x BNC GENLOCK INPUT (HD ANALOGUE BI- OR TRI-LEVEL SYNC)
- 2 x BNC HD-SDI OUTPUTS FOR PLOUTOF OF JPEG2000 MATERIAL
- 1 x DV-H VIDEO MONITOR OUTPUT (DUAL STREAM OPTION: ADDITIONAL DV-H VIDEO MONITOR OUTPUT)
- 3 x XLR AES/EBU DIGITAL AUDIO IN (6 CHANNELS AS STANDARD – 2 ADDITIONAL CHANNELS IN PLACE OF LTC IN OPTIONAL)
- 3 x XLR AES/EBU DIGITAL AUDIO OUT (6 CHANNELS AS STANDARD – 2 ADDITIONAL CHANNELS IN PLACE OF LTC OUT OPTIONAL)
- 1 x ¼" JACK STEREO HEADPHONE MONITOR OUTPUT
- 1 x XLR LTC TIMECODE INPUT
- 1 x XLR LTC TIMECODE OUTPUT
- 1 x GPI RECORD TRIGGER INPUT
- 2 x DB-9 RS-422 REMOTE I/O

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
 - 2880 x 2160P (ARRI RAW)
 - 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 BAYER

FRAME RATE

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

SUPPORTED AUDIO

- 6 CHANNELS AES/8 CHANNELS HD-SDI EMBEDDED AUDIO, 16/24-BIT AT 48KHZ AS STANDARD (12 CHANNELS AES/16 CHANNELS HD-SDI EMBEDDED WITH DUAL STREAM OPTION)

SUPPORTED TIMECODE FORMATS

- LTC IN/OUT
- VITC (ANC) IN/OUT
- RP215A SUPPORT FOR EXTRACTION OF EMBEDDED METADATA IN HD-SDI INPUT SIGNALS.

STORAGE

- 2 x REMOVABLE 1.4TB DISKPACKS (NOT INCLUDED) WITH RAID-3 PROTECTION AGAINST DRIVE FAILURE. BATTERY POWERED DISKPACK DISPLAY SHOWS HEALTH, STATUS, FREE CAPACITY AND SHOT INFORMATION WHEN REMOVED FROM SYSTEM.
- EXAMPLE 1.4TBPACK CAPACITIES: 1 x DISKPACK HOLDS APPROX 106MINS OF MATERIAL AT 1920 x 1080P@25FPS 10-BIT RGB 4:4:4
- 2 x 4GB FIBRE CHANNEL PORTS (OPTION)*
- 2 x U320 SCSI PORTS (OPTION)*

INTERFACE

- TOUCHSCREEN-BASED GRAPHICAL USER INTERFACE.
- IMAGE THUMBNAIL OR DATABASE-STYLE VIEW OF ALL SHOTS 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.

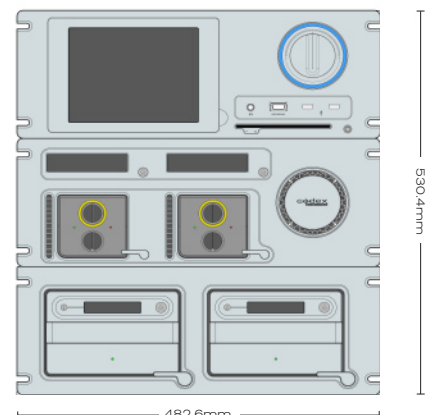
VIRTUAL FILE SYSTEM

- NETWORK ACCESS VIA NFS OR SAMBA
- FLEXIBLE FILE/DIRECTORY PERMISSIONS
- FULLY CUSTOMISABLE DIRECTORY AND FILE NAMING BASED ON SHOT METADATA
- EXAMPLES OF SUPPORTED FILE TYPES: 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.
- OPTIONAL IMAGE COMPRESSION, RESIZING, COLOURSPACE CONVERSION AND LUTS.

ENVIRONMENT

- POWER: 115/230V AC
- WEIGHT: 50KG (UNLOADED)
- OPERATING TEMPERATURES: 5-40° CENTIGRADE
- DISPLAY: TILTING 8.4" VGA DAYLIGHT READABLE WITH TOUCHSCREEN
- OPTICAL DRIVE: DVD RECORDER WITH SUPPORT FOR DVD-RAM, DVD-R/W, DVD+R/W, CD-ROM, CD-R, CD-RW
- FRONT PANEL CONNECTORS: 2 X USB-2.0, ¼" STEREO HEADPHONE JACK
- FRONT PANEL TRANSPORT CONTROLS: RECORD, PLAY, STOP, FORWARD, BACK, PLAYBACK SHUTTLE CONTROL
- FRONT PANEL CONTROLS: POWER, DISPLAY BRIGHTNESS, HEADPHONE VOLUME CONTROL, DVD EJECT, 2 x LTO TAPE DRIVE EJECT, 4 x DISKPACK LOCKING LEVERS.



*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