



## NEWS RELEASE

### CODEX DIGITAL'S NEW LAB DELIVERS HUB FOR TAPELESS WORKFLOW

**IBC 2008, Sept 12<sup>th</sup> 2008, Stand 11.B58** – Codex Digital ([www.codexdigital.com](http://www.codexdigital.com)), specialist in high-resolution media recording and workflow systems, today announced the extension of its product family with the Codex Lab – a digital-film-lab-in-a-box that forms the hub of fast and efficient tapeless workflows for broadcast and motion picture productions. The new Lab is modular, offers enormous recording capacity, and provides all of the deliverables needed for production, post and archive processes. It can create a complete set deliverables in less time than traditional systems take to make a single copy.

The Lab ingests digital production material from Codex recorders and also from tape, telecine and other digital systems. It can be expanded to store over 500 hours of digital cinema footage, or 1,000 hours of high-end broadcast material, plus audio. When used in Standard Definition applications the Lab can contain 3,600 hours (around five months) of recordings.

All material stored in the Lab is immediately available, at any time, for on-demand daily deliverables and reprints. When an offline the edit is complete, the Lab automatically generates the required finishing-files from the EDL – in minutes or hours, rather than days. It will also play-out to multiple channels of video (HD or SD), with automatic processing of shot-lists or EDLs.

Ultimately the Lab is the hub of a completely tapeless workflow. It can manage a wide range of broadcast productions (multi-camera episodic TV, drama, light entertainment) or digital motion pictures. Multiple productions can be handled on a single unit. It is designed for easy integration into the MCR of an editing/VFX facility, and it can also be directly connected on set or location.

The Codex Lab converts original HD material – or any format from SD to 4K – into editing files for Avid, Apple or Adobe, into VFX, finishing and archive tapes, as well as viewing files. Output file formats include DPX, MXF, DNxHD, QuickTime, AVI, JPEG, BMP and BWF (WAV) with full metadata, resizing, colourspace conversion and LUTs for look management.

Codex has designed the Lab so that it can be configured and upgraded in a variety of ways according to the changing needs of users. It can be ordered with one or two dual bays for Codex Portable diskpacks, and a dual bay for Codex Recorder diskpacks. The Lab will also hold up to four internal LTO4 tapedrives, or can control external LTO4 robots.

High-speed RAID6 storage is expandable to over 100TB in removable blocks of 12 or 24TB. This provides 500 hours of HD 4:4:4/24fps cinema-quality compressed, or 125 hrs uncompressed, 1,000 hours of HD 4:2:2/24fps (high broadcast-quality), or 3,600 hrs of SD PAL/25fps.

The Lab offloads HD footage up to ten times faster than realtime, with SD over twenty times faster, and it can produce multiple deliverables in parallel – underlining the ability of all Codex workflows to deliver unrivalled efficiency, productivity and creativity.

Paul Bamborough, co-founder of Codex Digital, said, "We now have a family of products that deliver a unified, tapeless workflow from camera-to-post, that let people work way they want to work – whether it's broadcast TV or cinema. Codex workflows remove traditional delays and bottlenecks making production faster, easier and more efficient than ever before."

#### **Pricing & Availability:**

Codex Digital expects to ship the first production-ready units in the first quarter of 2009, and will publish pricing accordingly.

**– Ends –**

#### **About Codex Digital:**

Codex Digital is headquartered in Soho, London, from where it designs and manufactures high-end digital equipment for motion picture and broadcast production. Products include: award-winning high-resolution media recorders, which capture moving images from the new generation of digital motion picture cameras, at up to 4K uncompressed resolution; plus a range of high-performance media management stations to manage the entire workflow of a digital production from set to post production. With the introduction of the Codex Portable, On-Camera, Transfer & Back Up Stations and Lab systems, the company is setting new standards for end-to-end production workflow. For more information please visit [www.codexdigital.com](http://www.codexdigital.com).

#### **Editor's Note:**

The product names and registered trademarks mentioned in the news release are each the property of their respective owners.

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## **CODEX LAB SPECIFICATIONS**

The Codex Lab is a modular system with many options. It can be configured in a variety of ways according to the needs of the user, and is designed for continued evolution and upgrading. These specifications are therefore a brief description of some of the features that can be incorporated, and are subject to change.

### **Diskpack Bays:**

Any/all of: one or two dual bays for Codex Portable diskpacks; dual bay for Codex Recorder diskpacks

### **Ingest/playout:**

Automatic ingest from video as master (using shot-lists) or slave (from controller).  
Automatic playout to video, including simple conform of EDLs for recording or projection.

### **File outputs:**

Virtual file system (VFS). Direct output of multiple file-formats including DPX, MXF, DNxHD, QuickTime, AVI, JPEG, BMP and BWF (WAV) with resizing, colourspace conversion & LUT.

### **Video:**

Two HD-SDI dual-link inputs.  
One or two HD-SDI dual-link outputs.

### **Audio:**

8 channels AES/EBU audio  
48/96 KHz in/out  
HD-SDI embedded audio

### **Control:**

LTC /VANC timecode, and RS422 control

### **Data:**

10Gbps Infiniband.  
1 Gbps Ethernet.  
10Gbps Ethernet optical  
USB

### **Backup/archive:**

Up to four internal LTO4 tapedrives,  
or control of external  
LTO4 robots.

### **Storage:**

High-speed RAID6 storage expandable to over 100TB in removable blocks of 12 or 24TB.  
This provides: 500hrs HD 4:4:4/24fps (cinema-quality compressed – 125 hrs uncompressed)  
1,000hrs HD 4:2:2/24fps (high broadcast-quality) 3,600hrs (5 months) SD PAL/25fps

Detailed technical specifications can be found on [www.codexdigital.com](http://www.codexdigital.com)