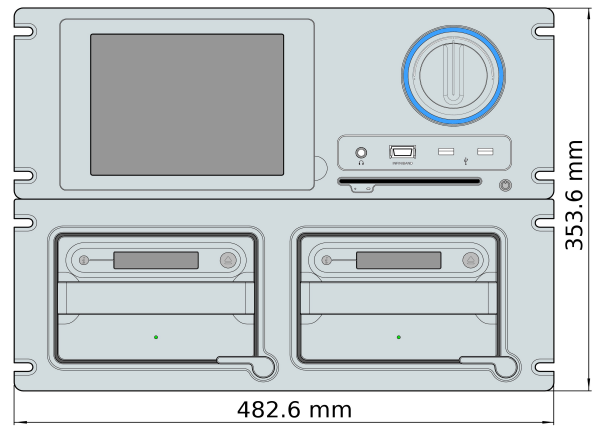




# STUDIO RECORDER



## Specifications

Power: 115/230V AC

Weight: 35kg (unloaded), 45kg (with 2 Datapacks)

Operating temperature: 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 Datapack locking levers

## Video & Audio I/O

2 x BNC HD-SDI input (A and B channels) (dual stream option: additional 2x HD-SDI in)

2 x BNC HD-SDI output (A and B channels) (dual stream option: additional 2x HD-SDI out)

1 x BNC genlock input (HD analogue bi- or tri-level sync)

1 x DVI-I video monitor output (dual stream option: additional DVI-I 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:

1920x1080i/sF/p

1920x1080p (Sony and Arri)

1280x720p

2880x2160p (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

16-bit Bayer

### 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

## 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)

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## Supported timecode/metadata formats

LTC in/out  
VITC (ANC) in/out  
RP215A support for extraction of embedded metadata in HD-SDI input signals

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## Storage

2 x removable 1.4TB Datapacks (not included) with RAID-3 protection against drive failure  
Battery-powered Datapack display shows health, status, free capacity and shot information when removed from system  
Example 1.4TB pack capacities: 1 x Datapack holds approx 106mins of material at 1920x1080p@25fps 10-bit RGB 4:4:4  
2 x 4Gb Fibre Channel ports (option)  
2 x U320 SCSI ports (option)  
The optional cards listed above 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

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## 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 can be run remotely on a Windows or Mac computer

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## Virtual File System

Network access via NFS or Samba  
Flexible file / directory permissions  
Fully customizable directory and file-naming based on shot metadata  
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  
Optional image compression, resizing, colourspace conversion and LUTs

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## Price

Studio Recorder	\$ Contact for latest pricing
Datapack 1.4TB	\$ Contact for latest pricing
Dual stream option	\$ Contact for latest pricing

Above pricing includes flight case

Pricing for other options available on request

Correct as of January 2010. Specifications subject to change without notice.  
For further information on the Codex Digital Studio Recorder, contact:

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