

PIX 260i

SOUND  **DEVICES**

Production Video Recorder/Player



Description

The rack-mounted PIX 260i is a file-based video recorder/player that seamlessly replaces tape-based video decks in production and post-production environments.

Using Apple ProRes and Avid DNxHD codecs, the PIX 260i records and plays high-quality 12-bit 4:4:4 high definition video as well as 32 tracks of 48 kHz audio. Files from the PIX 260i are ready for direct import into popular editing environments such as Avid and Final Cut, eliminating time-consuming transfer and transcoding. Files can also play out of the PIX 260i for real time applications.

Up to four SATA drives can be connected to the PIX 260i, two mounted to PIX-CADDY's and two eSATA connected drives. All four drives can be recorded to simultaneously, for redundancy and

Key Features


- Based on the successful PIX 240i Production Recorder
- File-based recording using Apple ProRes or Avid DNxHD encoded files, up to ProRes 4444, 330 Mb/s
- Up to 32 track audio recording
- Simultaneous recording to two caddy-connected and two eSATA-connected drives
- File transfer over data network with SMB (PIX 260i drives are read-only)
- 5-inch, precision IPS video display, 800 x 480 pixels
- Hardware scaler and frame rate converter
- 8 line-level analog inputs and outputs and 8 channels of AES digital audio I/O
- Time code, genlock master generator
- Record and play up to 16 channels of embedded SDI audio
- Embed and de-embed audio from analog, AES digital, and Dante
- External RS-422 control
- Embedded web server for machine transport over ethernet-based networks
- Up to 32 channel audio using Audinate Dante
- Playback Quicktime files from Final Cut sessions
- Built in hardware scaling and frame rate conversion
- Convenient 1/2-rack, 2U chassis dimension
- Powered by 10-27 VDC, 4-pin XLR, 30 watts

multiple copy generation. Over Ethernet, all four drives are accessible as network-attached SMB shares.

The PIX 260i can be controlled by external RS-422 (Sony 9-pin compatible) and over Ethernet through its embedded Web server. Machine transport and setup

menu selections are fully controllable.

With up to 32 tracks of audio recording and playback, the PIX 260i is an audio powerhouse. It includes eight channels of line-level analog I/O, eight channels of AES3 digital, 16 channels of embedded SDI, 8 channels of HDMI, and 32 tracks

SOUND  **DEVICES**
E7556 State Rd. 23 and 33
Post Office Box 576
Reedsburg, Wisconsin 53959 USA
+1 608.524.0625 main
+1 608.524.0655 fax

Discover more about Sound Devices products at www.sounddevices.com

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Specifications

SDI Input & Output

3G SDI 4:4:4, HD-SDI, SDI 4:2:2 conforming to SMPTE 12M-1, 12M-2, 125M, 259M, 272M, 291M, 292, 296M, 299, 352M, 424, 425

HDMI I/O

Version 1.4a input, Version 1.3a output, HDCP enabled on input

Video Input Resolutions / Rates

1080p23.976/24/25/29.97/30, 1080i50/59.94/60, 1080PsF23.976/24/25/29.97/30, 720p23.976/24/25/29.97/30/50/59.94/60, 576i50 (PAL), 480i59.94 (NTSC)

Video Codecs and Files

Apple ProRes 4444 12-bit
Apple ProRes 36, 100, 145, 220 Mb/s, 8- and 10-bit
Avid DNxHD 36, 100, 145, 220 Mb/s, 8- and 10-bit
Quicktime wrapper (.MOV), UDF File System
WAV poly, contains Broadcast WAV metadata

Up/Down/Cross Conversion

480i, 576i, 720p, 1080i, 1080p to any 480i, 576i, 720p, 1080i, 1080p, anamorphic conversion

Frame Rate Conversion

24, 25, 30, 50, 60 to 24, 25, 30, 50, 60, 23.976, 29.97, 59.94 to 23.976, 29.97, 59.94, automatic 3:2 pull-down removal in 23.976 and 24 frame modes, other pull-down cadences include 2:2:2:4, 2:3:3:2, 3:2:3:2:2, and 2:2

Audio Recording

32 channels record/playback, simultaneous with video

Simultaneous Dante, Analog, HDMI or SDI, AES3, selectable per channel

LCD Display

5-inch LCD; 800 x 480 resolution, IPS, flip-down for drive access

Analog Audio

8 balanced, line-level inputs on DB-25, ch1,2 also on XLR

8 balanced, line-level outputs on DB-25; ch1,2 also on XLR

Frequency Response: 10 Hz-20 kHz, +/- 0.5 dB re 1 kHz; THD + Noise: 0.004% max (1 kHz, 22 Hz-22 kHz)

Input and output topology: fully electronically balanced, line-level, RF, ESD, short, and overload protected; pin-2 hot, pin-3 cold

Line output clipping level: +18dBu

Output attenuation 0-20 dB, 1 dB increments

Front-panel headphone, 1/4" with gain control

Digital Audio

Sampling rate / bit depth: 48 kHz, 24-bit

Accepts 32k, 44.1k, 48k, 96k, 192k sample rates with SRC at input.

AES/EBU: 8 channels in and out via DB-25, 110 ohm, 2 V p-p

HDMI: 8 channels embedded HDMI input, 8 channels embedded HDMI output

Accepts 32k, 44.1k, 48k, 96k, 192k sample rates

SDI: 16 channels embedded SDI input and output, 48k sample rate

Dante - 32 channels, 48 kHz input and output

File Storage

XL-CADDY mounted drives: two, front-mounted Sound Devices approved 2.5-inch drives

eSATAp-connected drives: two, rear panel ports for Sound Devices approved drives, supplies 5V @ 2A

Ethernet file transfer via SMB/CIFS volume

Timecode

Modes Supported: Freerun, Record run, External
Frame Rates: 23.976, 24, 25, 29.97DF, 29.97ND, 30DF, 30ND

Accuracy: +/- 0.2ppm, holds accurate time code for 2 hours after power is removed
Inputs / Outputs: BNC (LTC input and output), SDI or HDMI (Sony protocol)

Sync Output

Analog bi-, tri-level sync / genlock

Wordclock (square wave, 48 kHz sampling rate, 3.3 vp-p, 75 ohm)

Sync Input

Analog bi-, tri-level sync / genlock

Wordclock (square wave, 48 kHz sampling rate, 3.3 vp-p, 75 ohm)

Control

RS422 Machine control

Ethernet Web-based control of settings and transport

GPIO on 3 pins, Phoenix connector

Keyboard

Front-panel USB host. Keyboards without hubs acceptable.

Power

4-pin XLR (pin1 = ground, pin4 = +), 10-27 VDC, 30 watts

Physical

Size (H x W x D): 3.3" x 8.6" x 10.3"
(8.4 cm x 21.8 cm x 26.2 cm)

Weight: 7.5 lbs

Operating Temperature: -10C to +40C

Description (continued)

of audio over Ethernet with Audinate's Dante.

The PIX 260i has a precision 5-inch IPS, 800 x 480-pixel display for setup menu access and video monitoring. The high-accuracy display is perfect for framing, exposure, and focus evaluation.

With its built-in Ambient Clockit time code generator/reader with genlock output for

multi-camera and double-system sound applications. In addition to generating ultra-stable time code, time code can be read from the SDI stream, the HDMI stream, or from external sources.

Like the PIX 220i and PIX 240i, the PIX 260i includes a high-performance hardware scaler and frame rate converter. Regardless of the incoming signal, the

PIX record the signal after up, down, or cross-conversion at the same or different frame rate. Hardware-based 3:2 pull-down removal is available.

PIX 260i's convenient 1/2-rack, 2U chassis dimension allows it to be easily integrated into any existing environment. It is powered by 10-27 VDC through a four-pin XLR connector.

Discover more about Sound Devices products at www.sounddevices.com

*Features, nomenclature, and specifications subject to change.
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