Cintel Audio and KeyKode Reader

The Cintel Audio and KeyKode Reader lets you capture professional, high quality audio and KeyKode information with images directly from film with the Cintel Scanner. You get LED illumination with advanced optics and precision mechanical adjustments along with a precision capstan and encoder that automatically corrects wow and flutter. With unique identification numbers for each film frame it is easy to correlate with corresponding video time frames.

Features

- **Equalisation**
  - Optical audio SMPTE, Magnetic audio IEC.

- **Supported KeyKode Scan Speeds**
  - All scanner speeds.

- **LED Type**
  - Optical audio and KeyKode Deep RED.

- **Supported Audio Scan Speeds**
  - 6fps-125% chosen film rate. i.e. 24fps film frame rate has a 30fps maximum scan speed and 16mm film has a 12fps lower limit.

- **Supported Optical Audio Types**
  - Variable Area.
  - Variable Density.

- **Audio Sampling Rate and Bit Depth**
  - 48kHz 24 bit PCM WAV file

- **Optical Audio 35mm**
  - Bandwidth: 40Hz-16kHz ±2dB
  - SnR Signal to Noise Ratio: Transparent film base -65dB (measured with flat weighting).
  - Wow and Flutter: < 0.15% (measured with IEC 386 weighting).

- **Optical Audio 16mm**
  - Bandwidth: 40Hz-7kHz ±2dB
  - SnR Signal to Noise Ratio: Transparent film base -65dB (measured with flat weighting).
  - Wow and Flutter: < 0.3% (measured with IEC 386 weighting).

- **Magnetic Audio**
  - Engagement Pressure: 15 grams
  - Bandwidth: 32Hz-14kHz ±2dB
  - SnR Signal to Noise Ratio: -55dB (measured with flat weighting).
  - Wow and Flutter: < 0.3% (measured with IEC 386 weighting).

- **Full Modulation Level**
  - -18dBFS

- **Headphones Level**
  - -18dBu at 50Ω load (for monitoring purposes only).

Connections

- **Preview Audio Output**
  - 3.5mm stereo headphone jack.

- **Audio Connection**
  - XLR6

- **Computer Interface**
  - USB Type-C for software updates.
Power Requirements

**Power Consumption**
Voltage 12V. Power 10W.

Ideal Film Conditions

**Operating Temperature**
18 - 28°C

**Relative Humidity**
Maximum 65% non-condensing.

Physical Specifications

What's Included

Cintel Audio and KeyKode Reader

Warranty

12 Month Limited Manufacturer's Warranty.
Blackmagic Design Authorized Reseller