Blackmagicdesign

Cintel Scanner G3 HDR+ 8/16

Cintel Scanner G3 HDR+ 8/16 is an advanced 8mm HD and 16mm Ultra HD film scanner with optics specifically designed for higher resolution capture of smaller format film. Includes capstan based transport for delicate archive film, new light source for higher speed realtime HDR, powerful film restoration tools with DaVinci Resolve and scanning via Thunderbolt to Mac and Windows computers.

$35,255
Includes Duty

Scanner Features

Film Stocks
Print, Negative, Interpositive, Internegative.
Mono and Color.

Film Gauges
16mm, Super 16mm
8mm, Super 8mm

Native Resolution
4096 x 3072

Effective Resolutions
2966 x 1781 - Super 16
2464 x 1798 - Standard 16
1390 x 994 - Super 8
1172 x 884 - Standard 8

HDMI Formats
3840 x 2160 Ultra HD
1920 x 1080 HD
(auto selected to match monitor resolution)

Dynamic Range
Normal Scans: 12 stops
HDR Scans: up to 3.5 additional stops

Audio
Extraction from scanned image.

Transport Type
Rubber Capstan.

Dirt and Scratch Reduction
Diffuse light source. Cleaning rollers.

Mounting Options
Desk Mount. Wall Mount.

Transport Features

Continuous Motion
Run speed:
1 - 30 fps
Shuttle:
1 - 150 fps (16mm)
1 - 200 fps (8mm)

Acceleration
10 - 60 fps/s

Film Shrinkage Tolerance
Up to 2% guaranteed, more may be possible if user care is taken.

Capacity
2000 ft

Connections

HDMI Video Output
1 x HDMI 1.4 10-bit 4:2:2 for preview purposes only.

Computer Interface
Thunderbolt™ 3 for capture of image and audio, software updates and supports USB-C charging with 15W at 5V.
PCI Express 4 lane generation 2.

Bi-phase/Timecode Output
XLR3 Bi-phase: 4.5 Volt DC coupled.
Timecode: 1.5 Volt DC coupled with support for 24, 25 and 30 fps.
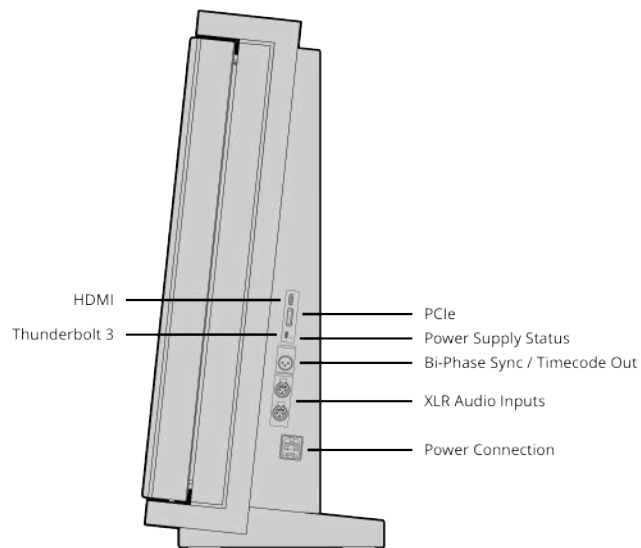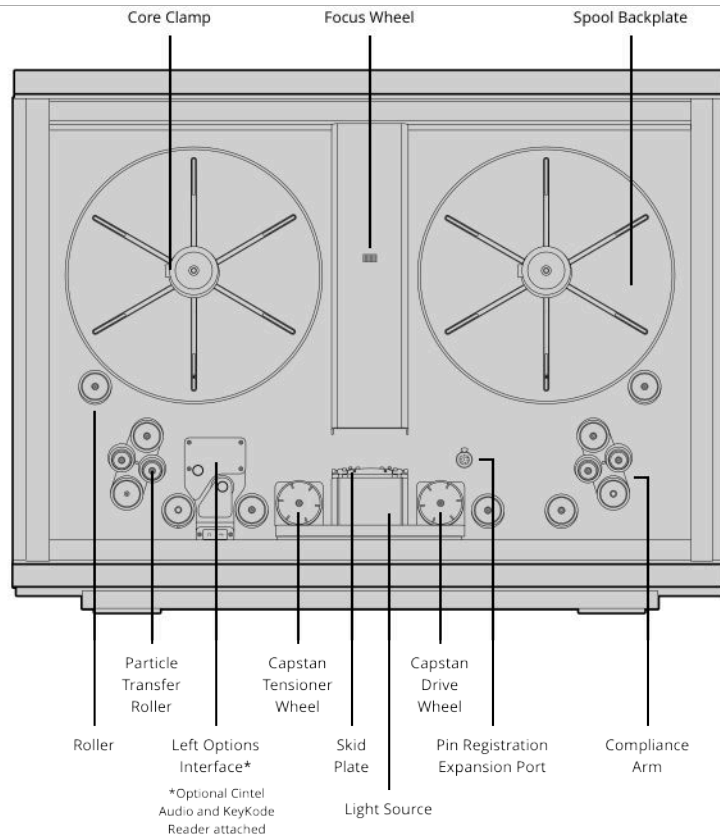
Analog Audio Inputs
2 Channels of professional balanced analog audio with sample rate converter via XLR connectors with 10dBV levels.

AES/EBU Audio Input
1 Channel with sample rate converter on XLR connector.

Options Interface
XLR6

Core Clamp Focus Wheel Spool Backplate

Particle
Transfer
Roller

Capstan
Tensioner
Wheel

Capstan
Drive
Wheel

Roller Left Options Interface* Skid Plate Pin Registration Expansion Port Compliance Arm

*Optional Cintel
Audio and KeyKode
Reader attached

Light Source

HDMI PCIe
Thunderbolt 3 Power Supply Status
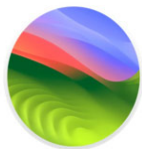Bi-Phase Sync / Timecode Out
XLR Audio Inputs
Power Connection

Operating Systems

Cintel requires Desktop Video installed on the host computer to operate. Scanning can be controlled though DaVinci Resolve or through third party software using the Cintel SDK.

Operating Systems as per Desktop Video Read Me
Download Desktop Video here.
Download DaVinci Resolve here.

Mac 13.0 Ventura,
Mac 14.0 Sequoia ,or later.

Windows 10, 64-bit.
Windows 11.

Linux

Accessories

Cintel Scanner 16mm Gate HDR
Cintel Scanner 8mm Gate HDR
Cintel Audio and KeyKode Reader
Cintel Cleaning Roller Kit
Blackmagic PCI Express Cable Kit
* Capstan models only including C-Drive, G3 and G3 HDR+

Power Requirements

Voltage Range
100 - 240V AC.

Power
200W

Physical Specifications

Ideal Film Conditions

Operating Temperature
18 to 28°C (64.4° to 82.4° F).

Relative Humidity
Maximum 65% non-condensing.

What's Included

Cintel Scanner G3 HDR+ 8/16
Desk Stand
8 x 1mm Reel Spacers + 16mm Packer kit
Cintel Scanner 16mm HDR Gate
Cintel Scanner 8mm HDR Gate
DaVinci Resolve Studio Dongle
Welcome wallet with QR code for software download

Warranty

1 Year Limited Manufacturer's Warranty.

Blackmagic Design Authorized Reseller