

Technical Characteristics

Resolution

- 4096 Pixels across 35 mm frame
- 2580 Pixels across 16 mm frame
- Pixelsize 35 mm: 8,5 x 8,5 um
- Pixelsize 16 mm: 6,2 x 6,2 um

Bit Depth

- 12 bits per Color

Image Sensor / Camera

- Tri-linear CCD

Speed

- 1 frame/sec @ 4K, 35 mm
- 2 frame/sec @ 2K, 35 mm
- 2 frame/sec @ 2,5K, 16 mm
- Play speed: 100 mm per second
- Fast Forward/Rewind: 500 mm per second

Reel size

- max 1000 feet

Light source

- Standard Halogen lamp-EKE
- Color correction filter for lamp

Mechanical

- Constant motion transport provided by capstan
- Scanner weight: 150 lbs (65 kg)
- "Dimensions (inch): 27" x 25,5" x 14" (W x L x H)"
- Dimensions (mm): 700 x 650 x 360 (W x L x H)
- Ergonomic handles for easy transport

Film formats

- 3 perforations, 35 mm
- 4 perforations, 35 mm
- Vista Vision
- 16 mm
- Super 16 mm

Frame sync

- Image synchronization is performed in software, therefore, Golden Eye can scan any film in 35 mm and 16 mm with no physical changes to the scanner

Control Computer

- Operating system: Windows XP
- Storage: 1 Terabyte, Raid 0
- Configurable by Ethernet

Acquisition

- Forced scan ratios (4:3) (16:9)
- Windowed acquisition, free form, image rotation, flip, mirror

Cut List Operations / Batch recording

- Automatic scan from ALE Cut list

Image export, supported file formats

- TEI - Golden Eye internal format
- Multiple Tiff (Optional compression)
- DPX (8, 10, 16 bit log or linear)
- Cineon (8 bit log)
- MPEG
- AVI - uncompressed or PC-installed codecs
- WMV
- Quicktime
- Custom formats can be installed upon request

Film Types

- Color Transparency
- Color Negative
- Black and White Positive
- Black and White Negative
- Interpositive
- Each film type and brand can be color calibrated and saved for future use.

Misc.

- Power 120 or 220 VAC
- Hot swap optics for high resolution 16 mm
- Black and White scanners are also available