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M G I I M A G E R E C O R D E R C A M E R A M O D U L E S

CAMERA MODULE GUIDE



J U N E 1 9 9 8



Management Graphics, Inc.

The descriptions and specifications contained in this document are subject to change without notice.
Please consult your Management Graphics representative for the latest information.

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Camera modules appear according to film size

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8x10 Roll
4x5 Sheet
8x10 Sheet

MODULE COMPATIBILITY CHART

| CAMERA MODULE | FILM RECORDER MODEL | | | | |
|--|----------------------|--------------------------|--------------------|-----------------------|---------------------|
| | Opal Ex Opal Plus | Sapphire Sapphire Pro | Solitaire 16xps | Solitaire Cine III | Solitaire Gemini |
| Oxberry Super 16mm Kit | | | | • | |
| MGI 35mm Cassette Load | • | • | • | ✱ | ✱ |
| Opal 35mm | • | | | | |
| Sapphire Cassette | | • | | | |
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| Pioneer 8x10 Roll | | | • | | |
| MGI 8x10 Custom Premium | | | • | | ✱ |

• Supported Module

✱ Extended Range Version, not compatible with Previous Solitaires

▼ Non-Perf only

OXBERRY SUPER 16MM KIT



- 16mm is an economical motion picture format well suited for government and educational institutions
- Ideal for getting into cinematography with less expensive film and hardware costs than other cine formats
- Interchangeable 16mm and Super 16mm film shuttles
- Kit includes a 400' 16mm Mitchell magazine, an Oxberry 16mm sprocket assembly for the 3100 camera, a super 16mm film shuttle and custom meshes with instructions for use

FORMAT

Super 16mm: 0.295 in x 0.493 in
7.5 mm x 12.5 mm
Standard 16mm: 0.295 in x 0.404 in
7.5 mm x 10.3 mm
16mm 1 perf advance

FILM LOADING 400' Mitchell magazine

FILM LOAD 100 feet, 3700 exposures
400 feet, 14800 exposures

COMPATIBILITY Solitaire Cine III with FLX/EV module

PIN REGISTERED Yes

NOTCHER No

LENS See FLX

PART NUMBER 700792-00

NOTES Check with an MGI representative for Solitaire firmware compatibility

Super 16mm Shuttle is provided

Standard 16mm Shuttle is purchased separately

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Eastman 7245 Motion Picture film | | | |
|-----------------------|----------------|--|--------|--|--|
| Oxberry Super 16mm | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | | 0:30 | | | |

MGI 35MM CASSETTE LOAD



- Standard 24 and 36 exposure film cassettes make this module great for low volume slide producers
- Our most convenient and economical Solitaire 35mm module
- Also accepts negative film for making photographic prints

FORMAT 0.945 in x 1.417 in
24 mm x 36 mm
Standard 35mm slide

FILM LOADING Standard 35mm cassette

FILM LOAD Up to 36 exposures

COMPATIBILITY Solitaire16xps
*ER Version: Cine III, Gemini

PIN REGISTERED No

NOTCHER No

LENS 63mm

PART NUMBER 700103
700885-ER

NOTES Power rewind

Does not allow edge labeling

* ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Kodak Ektachrome 100 Plus Prof. & Vericolor III film | | | |
|-----------------------|----------------|--|--------|--|--|
| MGI 35mm | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 0:30 | 0:30 | 0:30 | | |
| 8K | 0:50 | 0:50 | 0:50 | | |
| 16K | | | | | |

OPAL EX CASSETTE



- Standard 12 to 36 exposure film cassettes make this great for low volume slide production or digital photographs from negatives
- Imprints within frame for test images
- 35mm module is included with purchase of any Opal film recorder

| | |
|-----------------------|---|
| FORMAT | 0.945 in x 1.417 in 24 mm x 36 mm Standard 35mm slide |
| FILM LOADING | Standard 35mm cassette |
| FILM LOAD | Up to 36 exposures |
| COMPATIBILITY | Opal EX, Opal 100, Opal Plus |
| PIN REGISTERED | No |
| NOTCHER | No |
| LENS | Custom |
| PART NUMBER | N/A |
| NOTES | Power rewind Auto loading |

| MINIMUM IMAGING TIMES | | Imaging speeds with Kodak Ektachrome 100 Plus and Gold 100 films. | | | |
|------------------------------|---------|---|-----------|--|--|
| Opal 35mm | Opal EX | Opal 100 | Opal Plus | | |
| 2K/4K | 0:60 | 0:60 | 0:60 | | |
| 8K | N/A | N/A | 0:60 | | |

Note: Photo CD scanstyle images slightly faster due to the smaller file sizes.

SAPPHIRE CASSETTE



- Standard 12 to 36 exposure film cassettes provide short runs in the Sapphires unified transport
- Accepts negative film for making photographic prints
- Patented digital pin registration for all images

| | |
|-----------------------|---|
| FORMAT | 0.945 in x 1.417 in 24 mm x 36 mm Standard 35mm slide |
| FILM LOADING | Standard 35mm cassette |
| FILM LOAD | Up to 36 exposures |
| COMPATIBILITY | Built into all Sapphires |
| PIN REGISTERED | Yes – digitally |
| NOTCHER | Yes – but N/A with cassettes |
| LENS | Custom |
| PART NUMBER | N/A |
| NOTES | Edge Labeling Power rewind Tounge out feature |

| MINIMUM IMAGING TIMES | | Image times using Kodak Ektachrome 100 Plus slide film. | | | |
|------------------------------|----------|---|--|--|--|
| Sapphire 35mm | Sapphire | Sapphire Pro | | | |
| 2K/4K | 0:50 | 0:35 | | | |
| 8K | N/A | 0:50 | | | |

MARON 250S



- Delivers pin registered 35mm accuracy for multi-image presentations
- Registration pins, designed for Kodak Standard perforations, precisely align each frame to the sprocket holes
- Short film path reduces film waste
- Scissors style notching
- The combination of 100-foot, 800-exposure capacity and great price makes this a popular bulk-load module

FORMAT 0.945 in x 1.417 in
24 mm x 36 mm
Standard 35mm slide

FILM LOADING Removable magazines, interchangeable take-up and supply

FILM LOAD 100 feet, 800 exposures

COMPATIBILITY Solitaire16xps

PIN REGISTERED Yes

NOTCHER Yes, scissors

LENS 63mm

PART NUMBER 700242-01

NOTES Edge labeling
Advance and notch buttons on side
No reverse

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Ektachrome 100 Plus Professional and Vericolor film | | | |
|-----------------------|----------------|---|--------|--|--|
| Maron 250S | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 0:30 | | | | |
| 8K | 0:50 | | | | |
| 16K | | | | | |

MARON 300

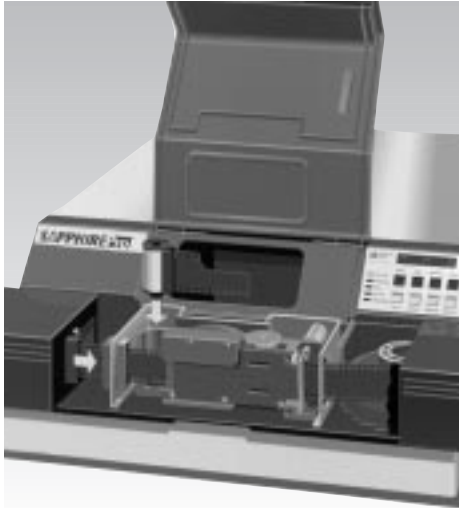


- The 400-foot capacity of the 35mm film magazines translates into approximately 3200 exposures per load for convenient, high-volume production
- Registration pins, designed for Kodak Standard perforations, precisely align each frame to the sprocket holes
- Magazines are easily interchanged with the Maron 900, 1400, and 1600 optical printers and special effects stands

| | |
|-----------------------|---|
| FORMAT | 0.945 in x 1.417 in 24 mm x 36 mm Standard 35mm slide |
| FILM LOADING | Removable magazines, interchangeable take-up and supply |
| FILM LOAD | 400 feet, 3200 exposures |
| COMPATIBILITY | Solitaire16xps |
| PIN REGISTERED | Yes |
| NOTCHER | Yes, scissors |
| LENS | 63mm |
| PART NUMBER | 700131 |
| NOTES | Edge labeling Advance and notch buttons on side |

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Ektachrome 100 Plus Professional and Vericolor film | | | |
|-----------------------|----------------|---|--------|--|--|
| Maron 250S | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 0:30 | | | | |
| 8K | 0:50 | | | | |
| 16K | | | | | |

SAPPHIRE BULK LOAD



- The 100', 800 exposure capacity and great price makes this popular slide machine
- Short film path reduces film waste
- Scissors style notching
- Unload scissors completely cuts take-up film, just lift magazine and go process the film.
- Patented digital pin registration ensures all images are precisely aligned

| | |
|-----------------------|---|
| FORMAT | 0.945 in x 1.417 in 24 mm x 36 mm Standard 35mm slide |
| FILM LOADING | Removable supply and take-up magazines |
| FILM LOAD | 100 feet, 800 exposures |
| COMPATIBILITY | Built into all Sapphires |
| PIN REGISTERED | Yes – patented digital registration |
| NOTCHER | Yes, scissors |
| LENS | Custom |
| PART NUMBER | N/A |
| NOTES | Edge labeling Unified cassette and bulk load |

| TYPICAL IMAGING TIMES | | | Imaging speeds determined using Kodak Electronic Output slide film. | | |
|-----------------------|----------|--------------|---|--|--|
| Sapphire 35mm | Sapphire | Sapphire Pro | | | |
| 2K/4K | 0:50 | 0:35 | | | |
| 8K | N/A | 0:50 | | | |

OXBERRY 3200 CUSTOM PREMIUM



- Custom optics and matched filters assure the sharpest 35mm images
- Memory board stores module's image setups and more
- Film magazines provide 100 feet of capacity, approximately 800 exposures per load
- Registration pins match Kodak Standard perforations for accurately aligned multi-image presentations
- Solenoid actuated pins make loading easy (Lift Pins Feature)

FORMAT 0.945 in x 1.417 in
24 mm x 36 mm
Standard 35mm slide

FILM LOADING Removable magazines

FILM LOAD 100 feet, 800 exposures

COMPATIBILITY Solitaire16xps,
* ER Version: Gemini

PIN REGISTERED Yes

NOTCHER Yes, pin prick

LENS 63mm custom

PART NUMBER 700562
700658-ER

NOTES Edge labeling

*ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Ektachrome 100 Plus Professional and Vericolor film | | | |
|-----------------------|----------------|---|--------|--|--|
| Oxberry 3200 | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 0:30 | | 0:30 | | |
| 8K | 0:50 | | 0:55 | | |
| 16K | | | | | |

OXBERRY 3100 35MM CINE



- The 3100 series Oxberry 35mm module provides a choice of 35mm Slide, Academy Offset, Vistavision, or Full Frame formats
- Oxberry's gentle shuttle film advance and precise fixed pin registration provide the most accurate position of film frame to frame and have made it a standard of excellence for film animation and special effects
- The 400 foot Mitchell magazine provides user compatibility with other Mitchell cameras

FORMAT

Academy: 16.0 mm x 21.9 mm, 4 perf
 Full Frame: 18.7 mm x 24.9 mm, 4 perf
 Slide: 24.0 mm x 36.0 mm, 8 perf
 Vistavision: 25.2 mm x 37.7 mm, 8 perf

FILM LOADING 400' Mitchell magazine

FILM LOAD 400 feet, 3200 exposures - 8 perf
 6400 exposures - 4 perf

COMPATIBILITY * ER Version: Solitaire Cine III

PIN REGISTERED Yes

NOTCHER No

LENS 63mm custom (for all formats)
 or 50mm custom
 (for Academy & Full Frame only)

PART NUMBER Consult MGI representative
 ER for Cine III

NOTES Consult MGI representative
 for more information on
 Oxberry 35mm Cine configurations

1000' magazine option is available

* ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Eastman 5245 Motion Picture Film Full Frame Format | | | | | |
|-----------------------|----------------|--|--------|--------------------|--------|--------|--|
| Oxberry 3100 | Solitaire16xps | Solitaire Cine II | | Solitaire Cine III | | Gemini | |
| | | Fast | Normal | Fast | Normal | | |
| 2K/4K | | 0:18 | 0:30 | 0:18 | 0:30 | | |
| 8K | | N/A | 0:55 | N/A | 0:55 | | |

OXBERRY CINE FLX/EV



- Custom Optics
- Enhanced optical path for improved sharpness, clarity and contrast
- Throughput increased due to mechanical speed improvements
- A gentle film shuttle and precise fixed pin registration provide accurate film positioning from frame to frame
- The 400-foot Mitchell magazine provides user compatibility with other Mitchell cameras
- There is an additional frame counter on the module that can be manually reset

FORMAT

Academy: 16.0 mm x 21.9 mm, 4 perf
 Full Frame: 18.7 mm x 24.9 mm, 4 perf

FILM LOADING 400' Mitchell magazine

FILM LOAD 400 feet, 6400 exposures - 4 perf

COMPATIBILITY Solitaire Cine III

PIN REGISTERED Yes

NOTCHER No

LENS Custom Optics

PART NUMBER 700860

NOTES

This unit contains contrast enhancement technology licensed from Quantel

1000' magazine option is available



| TYPICAL IMAGING TIMES | | Imaging speeds determined using Eastman 5245 Motion Picture Film | | | |
|------------------------------|----------------|--|--------------------|--------|--|
| Cine FLX | Solitaire16xps | Solitaire Fast | Cine III Normal | Gemini | |
| 2K/4K | | 0:15 | 0:28 | | |
| 8K | | N/A | 0:53 | | |

OXBERRY 3400 65MM CINE



- Custom optics to produce sharp images on the largest format motion picture film
- The 3400 65mm module provides a choice of 5 perf or 4 perf pull sprockets, 5, 8, 10 or 15 perf film shuttles, and multi-format or IMAX format lenses
- Oxberry's gentle shuttle film advance and precise fixed pin registration provide accurate film positioning from frame to frame
- There is an additional frame counter on the module that can be manually reset

FORMAT

IMAX: 2.032 in. 2.772 in.
51.6 mm x 70.4mm
Panavision: 0.906 in. x 2.066 in.
23.0mm x 52.5mm

FILM LOADING 1000' Mitchell magazine

FILM LOAD 1000', 12600 exposures - Panavision
4200 exposures - IMAX

COMPATIBILITY * ER Version: Cine III

PIN REGISTERED Yes

NOTCHER No

LENS Custom Optics

PART NUMBER Consult MGI representative for ER for Cine III

NOTES Consult MGI representative for more information on Oxberry 65mm Cine configurations due to multiple lenses, apertures and sprocket pull options

* ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Eastman 5248 Motion Picture film | | | |
|-----------------------|----------------|--|--------|--|--|
| Oxberry 65mm | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | | 1:40 | | | |
| 8K | | 1:40 | | | |

MGI 120/220



- Offers professional photographers, color labs, portrait labs, and other digital users an outstanding intermediate format for enlargements
- A high-quality lens and matched filter set help produce outstanding digital images
- The motorized Mamiya 120/220 transport offers automatic advance, loading and unloading
- Provides 10 or 20 images per film roll
- Alternative format to 4x5 for color separations and enlargements

FORMAT

4:3 aspect ratio: 2.69 in x 2.01 in
68.3 mm x 51.0 mm
6:4.95 aspect ratio: 2.69 in x 2.22 in
68.3 mm x 56.4 mm

FILM LOADING

120 or 220 film cassette roll

FILM LOAD

10 or 20 images per film roll

COMPATIBILITY

Solitaire 16xps,
* ER Version: Gemini

PIN REGISTERED

No

NOTCHER

No

LENS

120mm

PART NUMBER

700572
700797-00-ER

NOTES

Daylight film loading and automatic advance make this module very user-friendly

A 7.5 cm pull provides you 10 exposures with a 120 roll or 20 exposures on a 220 roll. 6 cm x 6 cm can be imaged with no additional exposures.

*ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Vericolor III negative film | | | | | |
|-----------------------|-----------------|---|--------------------|-----------------|-----------------|-----------------|--|
| MGI 120/220 | Solitaire 16xps | | Solitaire Cine III | | Gemini | | |
| | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow | |
| 2K/4K | 0:65 | 6:15 | | | 1:00 | 1:40 | |
| 8K | 0:65 | 6:15 | | | 1:00 | 3:10 | |
| 16K | N/A | 12:20 | | | N/A | 3:10 | |

MGI OPAL 120/220 CAMERA



- Offers professional photographers, color labs, portrait labs, minilabs and other digital users an outstanding intermediate format for enlargements
- A high-quality lens and matched filter set help produce outstanding digital images
- The motorized Mamiya 120/220 transport offers automatic load, unload and advance
- Provides 10 or 20 images per film roll (6x7 pull only)

| MINIMUM IMAGING TIMES | |
|-----------------------|---|
| MGI 120/220 | Opal EX/Opal 100/Opal Plus Scan Speed Normal Photo CD |
| 2K/4K | 3:20 2:05 |
| 8K [†] | 3:20 2:05 |

[†] 6K and 8K imaging is available only with Opal Plus

- FORMAT** 2.69 in x 2.01 in
68.3 mm x 51.0 mm
- FULL APERTURE DIMENSIONS** 2.69 in x 2.22 in
68.3 mm x 56.4 mm
- FILM TYPES** Kodak Ektachrome 100 Plus Pro, Kodak Vericolor III 160, Kodak Pro 100, Kodak Tmax 100, Fuji 160 (not compatible with Opal 100)
- FILM LOADING** 120 or 220 film cassette roll
- FILM LOAD** 10 or 20 images per film roll
- COMPATIBILITY** Opal EX, Opal 100, Opal Plus
- PIN REGISTERED** No
- NOTCHER** No
- LENS** 105mm
- PART NUMBER** 700794
- NOTES** Daylight film loading and automatic load, unload and advance make this module very user-friendly.

This module offers both normal and Photo CD scan styles.

The Opal EX, Opal 100, and Opal Plus Convertible Film Recorders must be in the vertical position to use this camera module. This requires an Opal base unit.

| PIXEL SIZE CHART | | |
|--------------------|-----------------------|---------------------------------|
| | 4:3 Width : Height | Full Aperture Width : Height |
| 2K | 2048 : 1536 | 2048 : 1690 |
| Photo CD (3K) | 3072 : 2304 | 3072 : 2534 |
| Pro Photo CD (6K+) | 6144 : 4608 | 6144 : 5068 |
| 4K | 4096 : 3072 | 4096 : 3378 |
| 8K [†] | 8192 : 6144 | 8192 : 6756 |

MARON 70MM



- Uses a 120mm lens for high-quality output
- Offers a large image format for the production of mini overhead transparencies and negatives
- Provides a choice between speed and resolution with user controlled scan styles
- Film magazines provide 100-foot, 400-exposure capacity
- Alternative format to 4x5 for color separations or enlargements

FORMAT

3:2 aspect ratio: 3.19 in x 2.11 in
81.0 mm x 53.5 mm
4:3 aspect ratio: 3.19 in x 2.28 in
81.0 mm x 58.0 mm

FILM LOADING Removable magazines, interchangeable take-up and supply

FILM LOAD 100 feet, 400 exposures

COMPATIBILITY Solitaire 16xps
*ER Version: Gemini

PIN REGISTERED No

NOTCHER Scissors

LENS 120mm

PART NUMBER 700129
700719-ER

NOTES Not pin registered

ER Version has non-perforated capstans, uses non-perfed film for larger imaging area

* ER Version means the Solitaire and module deliver extended range results

| Maron 70mm | Imaging speeds determined using Vericolor III film | | | |
|------------|--|-------|-----------------------------------|-------|
| | Solitaire 16xps Scan Speed Fast Slow | | Gemini Scan Speed Fast Slow | |
| 2K/4K | 1:30 | 5:45 | 0:65 | 6:15 |
| 8K | 1:30 | 5:45 | 0:65 | 6:15 |
| 16K | 3:00 | 11:30 | N/A | 12:20 |

MGI 4x5 CUSTOM PREMIUM



- Provides outstanding image quality and sharpness through a custom lens
- Colors are pure and consistent with the use of a matched filter set
- Produces images that become retouched originals for prepress applications, reflective display prints, backlit display prints, proof prints, posters and more

FORMAT 4.60 in x 3.45 in
 4:3 Aspect Ratio: 117 mm x 88 mm

FILM LOADING Fidelity 4x5 cut film holder

FILM LOAD 2 exposures per holder

COMPATIBILITY Solitaire16xps
 * ER Version: Cine III, Gemini

PIN REGISTERED N/A

NOTCHER N/A

LENS 150mm custom

PART NUMBER 700496-01
 700625-ER

NOTES Will allow the use of standard Polaroid 4x5 film holders, model 550 for Type 559 10 shot film packs, or the model 405 for single sheet Type 59

All modules offer both fast and slow scan styles except for Cine III

* ER Version means the Solitaire and module deliver extended range results

| MGI 4x5 Cust. Prem | | Solitaire16xps | | Solitaire Cine III | | Gemini | |
|-----------------------|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow |
| 2K/4K | 2:00 | 7:45 | | 8:20 | 2:10 | 8:20 | |
| 8K | 2:00 | 7:45 | | 8:20 | 2:10 | 8:20 | |
| 16K | 3:15 | 15:15 | | | 4:15 | 16:25 | |

MGI 4x5 CUSTOM PREMIUM, ASF



- The ASF allows your film recorder to function as a bulk-load camera with the ability to shoot 35 pieces of film with no operator intervention
- MGI's Auto Sheet Feeder (ASF) has both film low and film out detection
- Provides outstanding image quality and sharpness through a custom lens
- Produces images that become retouched originals for prepress applications, reflective display prints, backlit display prints, proof prints, and more

FORMAT 4.60 in x 3.45 in
4:3 Aspect Ratio: 117 mm x 88 mm

FILM LOADING 35-sheet supply magazine
optional standard cut sheet holder

FILM LOAD 35 exposures per holder
2 exposure cut sheet holder

COMPATIBILITY Solitaire 16xps,
*ER Version: Gemini

PIN REGISTERED N/A

NOTCHER N/A

LENS 150mm custom

PART NUMBER 700592
700901-ER

NOTES By removing the Auto Sheet Feeder, you may use standard Polaroid 4x5 film holders.

The 4x5 Auto Sheet Feeder supports Ektachrome 100 Plus and Vericolor III film. The ASF may not operate properly with other film types due to differences in physical film characteristics. The ASF may be subject to occasional film jams due to varied environmental and operational conditions or use of non-supported film.

* ER Version means the Solitaire and module deliver extended range results

| MGI 4x5 Cust. Prem | | Solitaire16xps | | Solitaire Cine III | | Gemini | |
|-----------------------|--|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow | Scan Speed Fast | Scan Speed Slow |
| 2K/4K | | 2:00 | 7:45 | | | 2:10 | 8:20 |
| 8K | | 2:00 | 7:45 | | | 2:10 | 8:20 |
| 16K | | 3:15 | 15:15 | | | 4:15 | 16:25 |

PIONEER 8x10 ROLL



- Removable supply and take-up magazines for ease of film handling
- Pressure plate film system assures consistent focus across entire image
- Film magazines provide 100-foot capacity, 110 exposures with a 10-inch horizontal pull
- Also capable of imaging vertically. With a smaller pull, you can get as many as 180 images per 100-foot film roll

FORMAT

2:3 aspect ratio: 6.33 in x 9.5 in
160 mm x 242 mm
3:4 aspect ratio: 7.125 in x 9.5 in
181 mm x 242 mm

FILM LOADING Removable magazines, individual take-up and supply

FILM LOAD 100 feet, 110 exposures

COMPATIBILITY Solitaire16xps

PIN REGISTERED No

NOTCHER Yes

LENS 150mm

PART NUMBER 700357

NOTES Vertical orientation of the image is also available in 7x9 format

Removable magazines allow daylight loading and unloading

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Kodak Ektachrome 200 Professional film | | | |
|------------------------------|----------------|--|--------|--|--|
| Pioneer 8x10 | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 5:45 | | | | |
| 8K | 5:45 | | | | |
| 16K | 11:30 | | | | |

MGI 8x10 CUSTOM PREMIUM



- Provides the highest quality in a large format
- Vacuum system holds the film flat to assure consistent focus across entire image
- A custom lens produces exceedingly sharp images, ideal for enlargements, posters, and images for pre-press

FORMAT 7.125 in x 9.50 in
 3:4 Aspect Ratio: 181 mm x 242 mm

FILM LOADING Single sheet 8x10 cut film holder
 modified to provide vacuum
 hold down

FILM LOAD 1 exposure per holder

COMPATIBILITY Solitaire16xps
 * ER Version: Gemini

PIN REGISTERED N/A

NOTCHER N/A

LENS Custom

PART NUMBER 700148 110V
 700148-01 240V
 700645-00-ER 110V
 700645-01-ER 240V

* ER Version means the Solitaire and module deliver extended range results

| TYPICAL IMAGING TIMES | | Imaging speeds determined using Kodak Ektachrome 100 Plus Professional film | | | |
|-----------------------|----------------|---|--------|--|--|
| MGI 8x10 CP | Solitaire16xps | Solitaire Cine III | Gemini | | |
| 2K/4K | 15:15 | | 4:00 | | |
| 8K | 15:15 | | 4:00 | | |
| 16K | 15:15 | | 4:00 | | |

ACCESSORIES & RELATED PRODUCTS

COLORFIT

PART NUMBER 700539

Colorfit is custom color Look Up Table (LUT) generation software for Macintosh. Colorfit lets you color balance your film recorder for processor differences, for different film batches, to match multiple image formats, or to match multiple recorders. Colorfit LUTs can be used on Silicon Graphics, PC, Macintosh, and some MGI workstations.

AUTO SHEET FEEDER (ASF)

PART NUMBER 700478

The automatic sheet feeder for the 4x5 CP camera module makes it easy to produce volume 4x5s. The ASF can hold 35 sheets of 4x5 film and can be removed from the 4x5 CP for easy loading and processing.

CUSTOM MESH

SPECIAL ORDER

A mesh is an array of numbers used by the Solitaire to shoot different film formats (controls size and speed). MGI can create a custom mesh to meet special imaging needs. An example is Photo CD (3k) imaging. Download a 3k mesh, and a custom LUT and image 3k files on a Solitaire without scaling them.

DUST CONE

PART NUMBER 700516

The Dust Cone covers the CRT of most Solitaire Image Recorder and effectively displaces dust so that it is out of focus and will not show up on the film image. By sealing the air space around the charged CRT faceplate, dust particles which are normally attracted to a static surface now cannot reach the faceplate. Not applicable for Gemini or Cine III.

EXTRA FILM CARRIERS AND MAGAZINES

The sheet-fed camera modules including all the 4x5 and 8x10 modules use standard or custom film carriers. Extra carriers are available for any of these modules. Most of the roll-fed modules use magazines. Extra magazines for the roll-fed modules are also available. 1000' Cine magazines are available for Oxberry 3100 cameras.

FILM ILLUSTRATIONS

16MM

Image size: 0.295 in x 0.404 in
7.5 mm x 10.3 mm
Aspect ratio: 1:1.37
Pull: 1 perf
Pin style: 16 mm



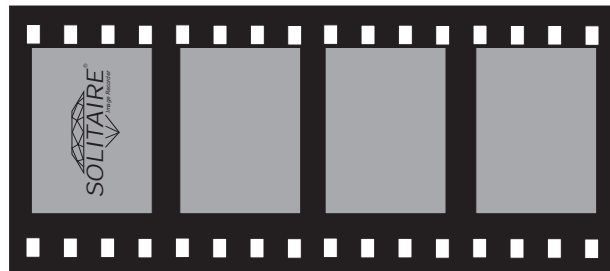
16MM SUPER

Image size: 0.295 in x 0.493 in
7.5 mm x 12.5 mm
Aspect ratio: 1:1.66
Pull: 1 perf
Pin style: 16 mm



35MM CINE ACADEMY OFFSET

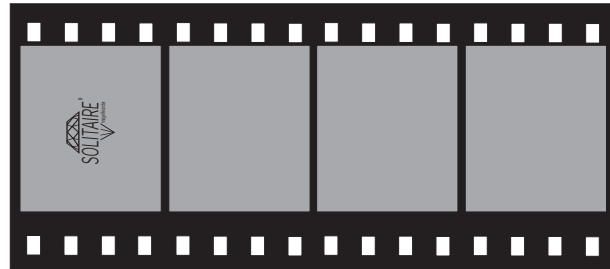
Image size: 0.630 in x 0.864 in
16.0 mm x 21.9 mm
Aspect ratio: 1:1.37
Pull: 4 perf
Pin style: Bell & Howell or Kodak



CINEMA SCOPE (USING ACADEMY OFFSET)

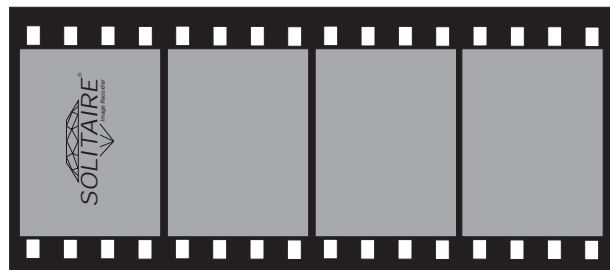
Image size: 0.732 in x 0.864 in
18.6 mm x 21.9mm
Aspect ratio: 1:1.18
Pull: 4 perf
Pin style: Bell & Howell or Kodak

Note: Data must be squeezed by host



35MM CINE FULL FRAME

Image size: 0.735 in x 0.980 in
18.7 mm x 24.9 mm
Aspect ratio: 1:1.33
Pull: 4 perf
Pin style: Bell & Howell or Kodak



Note:

All of the film illustrations except 4x5, 7x9, and 8x10 are represented at approximately actual size. The 4x5, 7x9, and 8x10 film illustrations are represented at a reduced size.

FILM ILLUSTRATIONS

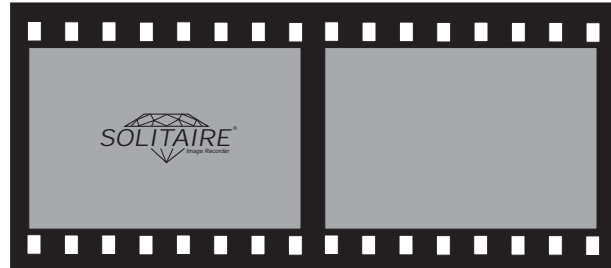
35MM SLIDE

Image size: 0.945 in x 1.417 in
24.0 mm x 36.0 mm

Aspect ratio: 2:3

Pull: 8 perf

Pin style: Kodak Standard



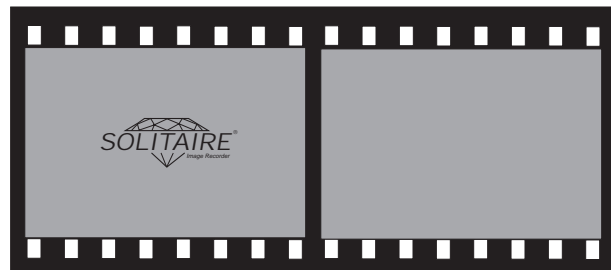
35MM VISTAVISION

Image size: 0.991 in x 1.485 in
25.2 mm x 37.7 mm

Aspect ratio: 2:3

Pull: 8 perf

Pin style: Bell & Howell



65MM IMAX

Image size: 2.032 in x 2.772 in
51.6 mm x 70.4 mm

Aspect ratio: 1:1.36

Pull: 15 perf

Pin style: Kodak Standard



FILM ILLUSTRATIONS

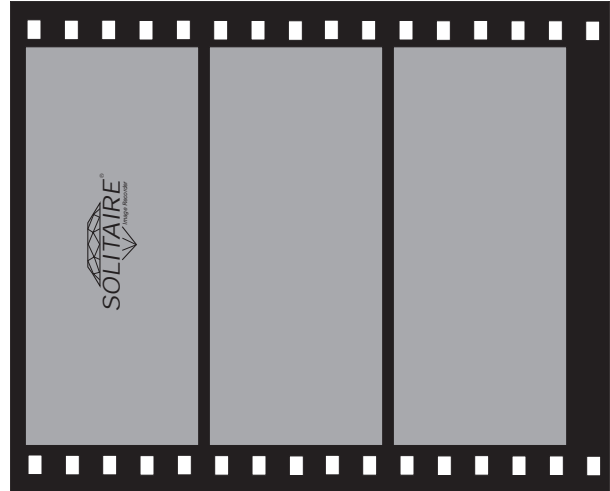
65MM SUPER PANAVISION NONSQUEEZED

Image size: 0.906 in x 2.066 in
23.0 mm x 52.5 mm

Aspect ratio: 1:2.28

Pull: 5 perf

Pin style: Kodak Standard



MGI 120/220

Image size: 2.01 in x 2.69 in
51.0 mm x 68.3 mm

Aspect ratio: 3:4 (image shown)

Full Aperature

Image size: 2.22 in x 2.69 in
56.3 mm x 68.3 mm

Aspect ratio: 4.95:6

Pull: 75 mm



70MM MARON

Image size: 2.11 in x 3.19 in
53.5 mm x 81.0 mm

Aspect ratio: 2:3 (image shown)

Full Aperature

Image size: 2.28 in x 3.19 in
58.0 mm x 81.0 mm

Aspect ratio: 3:4

Pull: 18 perf

Pin style: Kodak Standard



FILM ILLUSTRATIONS

70MM MARON (NON-PERFED)

Image size: 2.11 in x 3.19 in
53.5 mm x 81.0 mm

Aspect ratio: 2:3

Full Aperture

Image size: 2.39 in x 3.19 in
60.7 mm x 81.0 mm

Aspect ratio: 3:4 (image shown)

Pull: 3.37



7x9 ROLL

Image size: 6 in x 9 in
152 mm x 229 mm

Aspect ratio: 2:3

Full Aperture

Image size: 6.75 in x 9 in
171 mm x 229 mm

Aspect ratio: 3:4 (image shown)

Film width: 9.5 in



8x10 ROLL

Image size: 7.125 in x 9.5 in
181 mm x 242 mm

Aspect ratio: 3:4

Film width: 9.5 in



FILM ILLUSTRATIONS

4x5 SHEET

Image size: 3.45 in x 4.60 in
88 mm x 117 mm

Aspect ratio: 3:4



8x10 SHEET

Image size: 7.125 in x 9.5 in
181 mm x 242 mm

Aspect ratio: 3:4



Note:

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