



SOURCE REQUIREMENTS FOR 35MM LASER FILM RECORDING

The following are guidelines for naming conventions, file formats, and delivery media.

FILE NAMING

Please follow standard UNIX file naming conventions.

Do not use any of the following in your file or directory naming:

- Spaces
- Symbols such as: # \$ @ * { } [] - , () & ^ ! +

Other things to keep in mind:

- FotoKem prefers 7 digit padding.
- Frame numbers should be delimited with the "." (period) character. Please use a dot (.) before the number padding and at the end of the number padding.
- File names should be unique to avoid confusion with previously or successively delivered versions.
- For 3D projects, please append _L or _R to the end of the filename before the frame number to denote Left or Right eye.

File Naming Examples:

- 2D: MyShot_23_v2.0000001.dpx
- 3D: MyShot_23_v2_L.0000001.dpx and MyShot_23_v2_R.0000001.dpx

FILM RECORDING FILE FORMATS

While FotoKem can accept numerous file formats and color spaces, a color space conversion will be required for any file type other than 10-Bit Log DPX or Cineon. Additional costs may apply for this conversion and a test conversion/filmout is recommended.

COMMON COLOR SPACES

- Log
- Rec709
- sRGB
- P3DCI
- P3D65
- BT1886

When supplying files for filmout, please make sure that the following information is specified:

1. Color space
2. Filmout Format (Flat or Scope)
 - * If desired filmout format is scope but delivered files are flat, please specify extraction. If no extraction information is specified, we will default to a 2.35 center extraction and film out Academy aperture.
3. Full aperture or Academy aperture

COMMON FILMOUT RESOLUTIONS

- 4096 x 3112 = 1.31 (Usually a Full Aperture resolution, but can be output into Academy)
- 4096 x 3072 = 1.33 (Usually a Full Aperture resolution, but can be output into Academy)
- 3840 x 3268 = Scope 1.174 (Projects @ 2.35/2.40)
- 3656 x 3112 = Scope 1.174 (Projects @ 2.35/2.40)
- 3656 x 2202 = 1.66
- 3656 x 2066 = 1.77
- 3656 x 1976 = 1.85
- 2048 x 1744 = Scope 1.174 (Projects @ 2.35/2.40)
- 2048 x 1716 = Scope Image from a 2048x858 2.39:1 source (Projects @ 2.39)
- 2048 x 1556 = 1.31 (Usually a Full Aperture resolution, but can be output into Academy)
- 2048 x 1536 = 1.33 (Usually a Full Aperture resolution, but can be output into Academy)
- 2048 x 872 = 2.35 Flat (Usually “squeezed” on camera for anamorphic filmout)
- 2048 x 858 = 2.39 Flat (Usually “squeezed” on camera for anamorphic filmout)
- 1920 x 1080 = Flat 1.77
- 1920 x 1634 = Scope 1.174 (Projects @ 2.35/2.40)
- 1920 x 1038 = Flat 1.85
- 1920 x 817 = Flat 2.35
- 1828 x 778 = Flat 2.35
- 1828 x 988 = Flat 1.85
- 1828 x 1028 = Flat 1.77
- 1828 x 1102 = Flat 1.66
- 1828 x 1556 = Scope 1.174 (Projects @ 2.35/2.40)

MEDIA

LTO

- FotoKem can accept LTO-2 through LTO-6 tapes
- LTO-5 & LTO-6 tapes can be Tar or LTFS formatted

Please include the following information when sending LTO tapes to FotoKem:

1. Title
2. Description/Contents
3. LTO Write Format
4. Commands used to write LTO
5. Device Blocking Factor
6. Tape Blocksize

HARD DRIVE DELIVERY

Please make sure the drive format is specified.

PC Formats:

- FAT32
- ExFAT
- NTFS

MAC FORMATS

- HFS
 - HFS+
-

LINUX FORMATS

- EXT2
 - EXT3
-

HDD INTERFACES

- Firewire 400/800
 - E-SATA
 - Thunderbolt
 - USB2/3
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All files must be written to drive using the following directory structure:

2D: MyShot_Name/MyShot_Name.0000001.dpx

3D: /MyShot_23_ver2/Left/MyShot_23_v2_L.0000001.dpx

 /MyShot_23_ver2/Right/MyShot_23_v2_R.0000001.dpx