

Jon Fauer's

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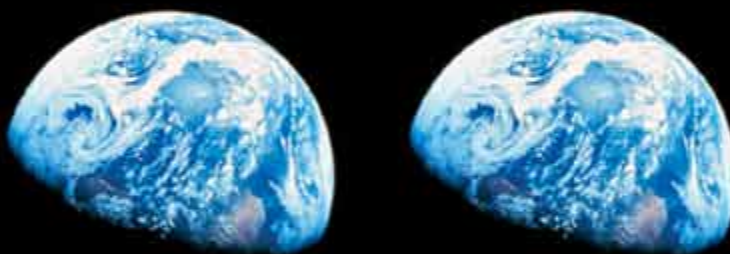
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FGV Schmidle PL1D



FGV Schmidle have done it again. Following the success of their FGV PL7D, they have now added a PL mount and modified Canon's EOS 1D Mark IV. The mirror cage is replaced by a new FGV stainless steel sensor carrier that minimizes flange focal depth variation from temperature changes.

The FGV PL1D (Canon 1D Mark IV) is especially interesting for cinematographers because its 16 Megapixel APS-H sensor (29.9 x 18.6 mm) comes closest to the Super 35mm 4-perf film format. It records H.264 1080p at 24, 25 or 30 fps and 720p at 50 and 60 fps. This is one of Canon's top of the line EOS cameras.

The sensor holder, PL mount, base plate and rod receptacles are one integral piece, which assures consistent focus with all lenses and accessories. The baseplate accepts 15mm lightweight support rods (comes with 120 and 240 mm rods) for lens controls, follow focus or matte boxes. The FGV PL1D accepts all 35mm lenses that fit on an Arriflex camera, as well as Angénieux Rouge Zooms.

The green button on the back of the camera is a welcome addition. Push it to switch the camera to Live View Mode, as well as start/stop video recording. A 3-pin Fischer ARRI-style RS connector lets you start and stop the camera remotely. (It does not provide power output.)

The package comes with a riser plate that centers the lens for use with a 35mm bridge plate. Still photography using Live View and manual focus is still possible in Manual or Automatic Exposure Mode, since the shutter unit remains in the camera.

The FGV PL1D package includes the Canon EOS camera body with PL Mount, a 15mm Light Weight Support with two pairs of rods (120mm / 240mm), a riser plate to fit a 35mm bridge plate, Canon battery and charger, as well as the FGV cable protector with one HDMI interface cable and AV cable. The FGV Cable Protector adds strength to standard flimsy HDMI cables.

Note: the Canon 1D Mark IV has an image area of 29.9 x 18.6 mm, which is slightly larger than the diagonal coverage of some 35mm cine lenses.

PL1D and PL7D cameras are available for rent at Clairmont Camera and Otto Nemenz International.

Comes with a one-year FGV warranty. (fgv-rental.de)

For more information, also contact Band Pro Film & Digital. (bandpro.com)

FGV PL1D



Markus Schmidle, FGV Managing Director, with FGV PL1D and 5D at Cinec

FGV PL5D

They weren't going to do it...but here it is, below: a PL mount for the Canon 5D Mk II with mirror and optical viewing intact. As far as I know, the only PL lenses that cover the 5D's full frame 24 x 36 mm still format sensor and do not hit the mirror are ZEISS Compact Primes. If you use other 35mm cine lenses (intended for an 18 x 24 mm image area), they will vignette. It will look like you are shooting through a peep hole. Blowing up the image in post will not be helpful: resolution and pixel count will be reduced.



FGV PL Specs

FGV PL1D

- 16 Megapixel APS-H sensor
- Sensor size: 29.9 x 18.6 mm
- Format: close to Super-35 4-perf cine format
- ISO: 100 - 12,800. Speed Expansion up to 102,400

FGV PL7D

- 18 Megapixel APS-C sensor
- Sensor size: 22.3 x 14.9 mm
- Format: close to Super-35 3-perf cine format
- ISO: 100 - 6,400 ISO. Speed Expansion up to 12,800

FGV PL5D

- 21.1 Megapixel 35mm full-frame sensor
- Sensor size: 36 x 24 mm
- Format: "Leica" format: Vistavision 8-perf horizontal
- ISO: 100-6,400 ISO. Speed Expansion up to 25,600