

PRO35

Technical Information



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The Technology behind it

The Image Converter resolves the 35mm image from the lens onto a ground glass located at the position of the traditional film plane. The image is then optically frozen, down-scaled and transmitted to the camera's CCDs. You can use the converter relay lens' own iris or the camera's iris to control the amount of light coming through the system without affecting the depth-of-field. This gives you new creative freedom, unknown before on digital cameras.

Get the three-dimensional quality of 35mm film by using an HD or SD video camera with the PRO35 Image Converter. Hundreds of lens choices, formerly restricted to the realm of 35 mm film, are now available for video productions.

Comparison of PRO35 with cine lens and HD video lenses by Jon Fauer (available on DVD)



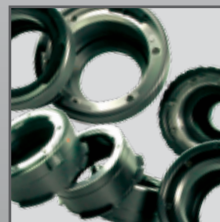
Shot with HD video lens



Shot with PRO35 and 35 mm film lens

Key Features

- ➔ Optimised for 35mm film lenses - motion and still photography lenses
- ➔ Virtually the same depth-of-field, focus and angle-of-view as a 35mm film camera
- ➔ Camera needs no modification, just mount the PRO35 and a 35mm lens to the 2/3" mount camera
- ➔ Power supply via camera, no extra battery needed
- ➔ Interchangeable lens mounts available for shooting with PL, Nikon F, Panavision, Canon EF and BNC-R mounted 35mm lenses
- ➔ Industry standard 15mm lightweight support rods and bridge included



Interchangeable Lens Mounts for PRO35

The following interchangeable lens mounts are available for shooting with the PRO35: PL, Professional F, Nikon F, Panavision, Canon EF, BNC-R and Zeiss-Contax



35Digital Lens Set

These Nikon F mounted set of lenses consists of an 18mm, 25mm, 35mm, 50mm and an 85mm. P+S TECHNIK re-housed high quality Zeiss lenses to fit them into the existing world of film and video accessories like follow focus, lens and matte boxes.

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PRO35 2/3"

- ➔ Connects to all B4-mounted 2/3" HD and SD video cameras
- ➔ No modification of camera needed
- ➔ Power supply via camera
- ➔ Industry standard 15mm lightweight support rods and bridge included



PRO35 1/2"

- ➔ New designed relay lens projects the full 35mm image onto the three 1/2" CCDs of the camcorder
- ➔ No modification of camera needed
- ➔ Power supply via camera
- ➔ MKII upgrade included

PRO35 EX3

- ➔ New designed relay lens projects the full 35mm image onto the triple chip CMOS sensor of the Sony PMW-EX3 camera
- ➔ No modification of camera needed, EX3 mount adapter to bajonett mount needed
- ➔ Power supply via camera
- ➔ MKII upgrade included



Specifications*

2/3" version

1/2" version

EX3 version

PRO35 camera mount (converter to camera)	B4 Mount	Bayonet Mount	Bayonet Mount mount adapter needed
PRO35 lens mount (converter to lens)	PL Mount (standard)	PL Mount (standard)	PL Mount (standard)
Tuning for shooting sensor	Back focus	Back focus	Back focus
Frame position	Upright, Emulsion side up	Upright, Emulsion side up	Upright, Emulsion side up
PRO35 relay lens (behind lens)	Built-in iris for light reduction (no effect on depth-of-focus)	Built-in iris for light reduction (no effect on depth-of-focus)	Built-in iris for light reduction (no effect on depth-of-focus)
Ground glass frequency eccentric	Variable speed	Variable speed	Variable speed
Current consumption	300 mA / 12 V	300 mA / 12 V	300 mA / 12 V
Power supply	via lens connector cable (included)	via lens connector cable (included)	extra battery or cam battery needed
Length	162 mm	208 mm	208 mm
Weight	2200 gr. / 4.85 lbs	2500 gr. / 5.51 lbs	2500 gr. / 5.51 lbs
Recommended operating temperature	0 - 50° C	0 - 50° C	0 - 50° C

*Subject to technical change without prior notice