PANAGOR®

AUTOMATIC LENSES

FOR 35mm SLR CAMERAS

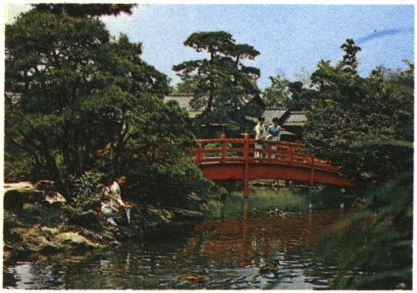
PANAGOR®

Telephoto & Wideangle Lenses for 35mm SLR Cameras

High Speed
High Resolution
Color Corrected
Hard Coated
Fully Guaranteed

85mm

105mm



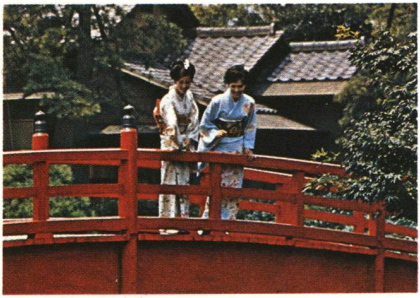
21mm

28mm

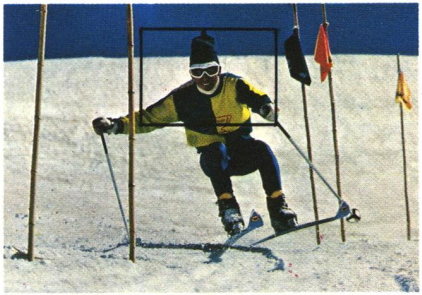
135mm

180mm

200mm



50mm(Standard)



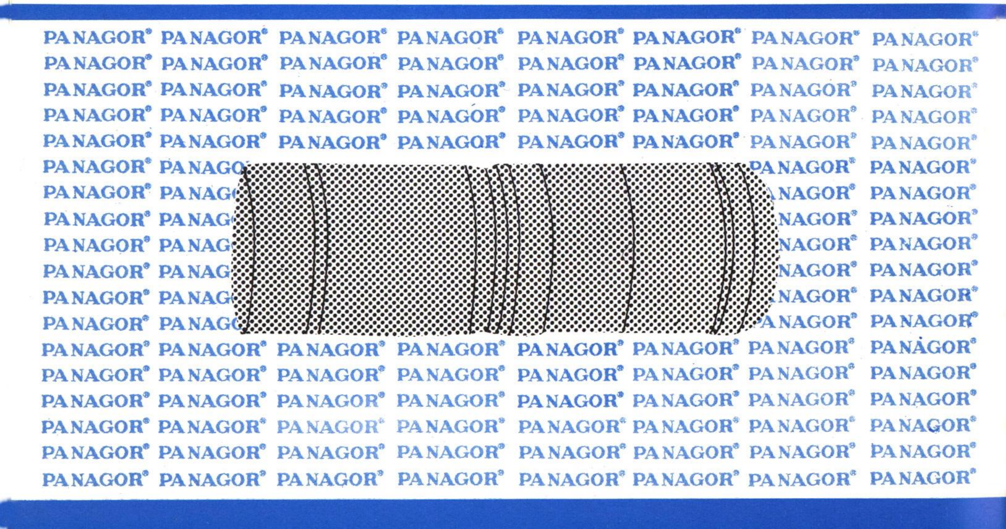
85mm to 205mm ZOOM LENS

PANAGOR

AUTO ZOOM 85mm-205mm F3.8

AUTO LENS OPERATION

The Panagor Automatic Zoom is designed to operate with the same simplicity and ease as the normal lens of your camera. Just mount the lens to your camera and operate as you would your normal lens. The diaphragm will automatically close to the pre-selected f stop at the moment of exposure, and re-open automatically as soon as the exposure time has ended. No pistol grips, cable releases, or external mechanisms are necessary with the Panagor Automatic Zoom.



FOCUSING AND ZOOMING

The lens can be focused before or after zooming, however since the 205mm focal length has the greatest magnification and narrowest depth of field, it is best to focus at 205 mm and then zoom to the desired focal length. The unique, built-in, cam-operated focusing system will maintain focus regardless of zoom setting. The zoom ring can be set any - where between 85mm and 205mm, and produce perfect results. The engravings showing the various focal lengths serve only as a guide.

OPTICAL VERSATILITY

By zooming from 85mm to 205mm, you can do the following:

A) Make the subject appear closer eliminating unwanted background.

B) Change the depth of field: Zooming to 205 mm also narrows the depth of sharp focus at a pre-selected distance, thereby making unwanted background appear out of focus. By taking full advantage of the above features, you can be sure of professional looking results.

C) Change perspective: Zooming to 205mm causes a foreshortening effect and gives the appearance of compressing the planes in a picture to look flat and almost two dimensional.

Photo taken at 85mm setting

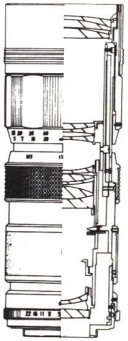
Photo taken at 205mm setting

PANAGOR

AUTO ZOOM 85mm-205mm F3.8

SPECIFICATIONS

Focal Length:	85mm to 205mm
Zoom Ratio:	1:2.4
Construction:	13 elements 9 groups –fully coated, color corrected
Aperture:	F3.8 to F22 with half stops
Angle of View:	28° at 85mm to 12° at 205mm
Minimum Distance:	2 meter (7 feet)
Filter Size:	58mm Screw-in
Length:	180mm (approx., depending on mount)
Net Weight:	780 grams (approx., depending on mount)



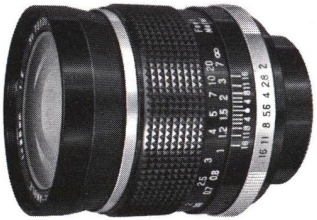
Built-in Retractable Lens Hood

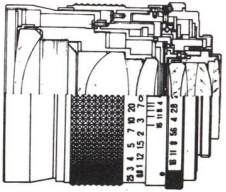
PANAGOR

AUTO WIDEANGLE 35mm F2.0

SPECIFICATIONS

Focal Length:	35mm
Construction:	8 elements 6 groups fully coated, color corrected
Aperture:	F2.0 to F16 with half stops
Angle of View:	62°
Minimum Distance:	0.3 meter (1 feet)
Filter Size:	58mm Screw-in
Length:	67mm (approx., depending on mount)
Net Weight:	330 grams (approx., depending on mount)





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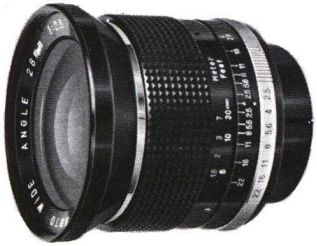
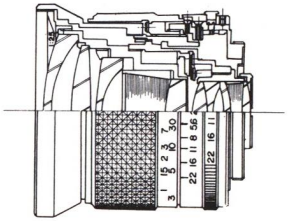
AUTO WIDEANGLE 28mm F2.5

SPECIFICATIONS

Focal Length:	28mm
Construction:	8 elements 7 groups fully coated, color corrected
Aperture:	F2.5 to F22 with half stops
Angle of View:	75°
Minimum Distance:	0.3 meter (12 inches)
Filter Size:	67mm Screw-in
Length:	60mm(approx., depending on mount)
Net Weight:	340 grams (approx., depending on mount)





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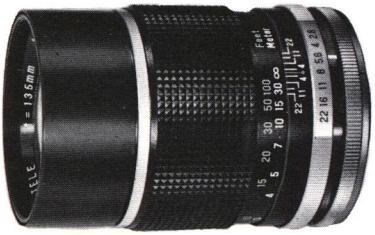
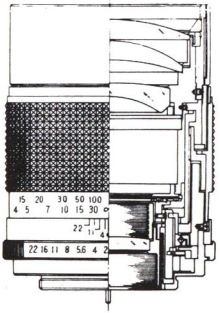
AUTO TELEPHOTO 135mm F2.8

SPECIFICATIONS

Focal Length:	135mm
Construction:	4 elements 4 groups fully coated, color corrected
Aperture:	F2.8 to F22 with half stops
Angle of View:	18°
Minimum. Distance:	1.3 meter (4.5 feet)
Filter Size:	55mm Screw-in
Length:	85mm(approx., depending on mount)
Net Weight:	420 grams (approx., depending on mount)



Built-in Retractable Lens Hood



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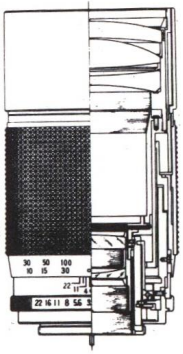
AUTO TELEPHOTO 200mm F3.5

SPECIFICATIONS

Focal Length:	200mm
Construction:	5 elements 5 groups fully coated, color corrected
Aperture:	F3.5 to F22 with half stops
Angle of View:	12°
Minimum Distance:	2.5 meter (8 feet)
Filter Size:	62mm Screw-in
Length:	127.5mm (approx., depending on mount)
Net Weight:	720 grams (approx., depending on mount)

Built-in Retractable Lens Hood



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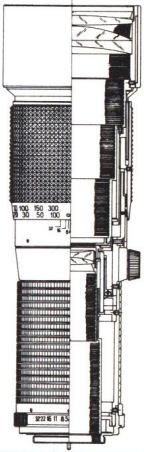
AUTO TELEPHOTO 400mm F5.6

SPECIFICATIONS

Focal Length:	400mm
Construction:	5 elements 3 groups fully coated, color corrected
Aperture:	F5.6 to F32 with half stops
Angle of View:	6°
Minimum. Distance:	6 meter (20 feet)
Filter Size:	72 mm Screw-in
Length:	250mm (approx., depending on mount)
Net Weight:	1,150 grams (approx., depending on mount)

Built-in Retractable Lens Hood
and Tripod Clamp



PANAGOR

AUTO MACRO 55mm F3.0 for 1:1

w/o using extra tube

SPECIFICATIONS

Focal Length:	55mm
Construction:	5 elements 4 groups fully coated, color corrected
Aperture:	F3.0 to F16 with half stops
Angle of View:	42°
Minimum Distance:	0.215 meter (8.5 inches)
Filter Size:	62 mm Screw-in
Length:	63.5mm (approx., depending on mount)
Net Weight:	400 grams (approx., depending on mount)

PANAGOR
AUTO TELE CONVERTERS 2X

The PANAGOR Automatic Tele Converter doubles the effective focal length of any SLR normal or telephoto lens, while maintaining the automatic diaphragm operation of automatic lenses. With non-automatic lenses, the PANAGOR Automatic Tele Converter works equally well on a non-automatic basis. The Converter fits directly into the camera body and accepts any lens made for such camera body. The normal 50mm lens becomes a 100mm, the 100mm a 200mm and so on. The "converted"lens will focus over the same range as the "unconverted" lens.

The converter changes your f stop scale by two openings: F5.6 becomes F2.8 , F8 becomes F4 and so on. If you prefer, you can set your exposure meter at 1/4th the usual ASA speed and read directly (set at ASA 100 for Tri X, for example).

However, do not use wide openings, but stop down at least two stops beyond the maximum aperture of your lens for critical sharpness. If your lense's maximum aperture is F1.8, stop down to at least F4 (which will be the equivalent of F8) and so on.

Larger openings can be used, but there will be some loss of sharpness.

The converter can be used with zoom lenses, for close-up work, and even with mirror lenses.

However, only lenses of good quality should be "Converted", since the Converter also brings out and enlarges faults of the lens with which it is used,

For best results, use a tripod when you "convert" a lens longer than your normal lens.

The rangefinder prism or grid of the camera's viewfinder groundglass is matched to the normal focal length lens. With longer lenses or Converter-Lens combinations it may not function properly. In such cases, correct focus is obtained by focusing on the groundglass portion of the finder, and disregarding the rangefinder system.

On some cameras, the corners or the upper portion of the viewed groundglass image appear blacked out when long lenses are used. A similar effect may result from the lengthening of a normal or moderate telephoto lens by the use of the converter. Such loss of image is caused by the size of the camera's mirror and will not occur on the negative or slide which will be fully exposed.

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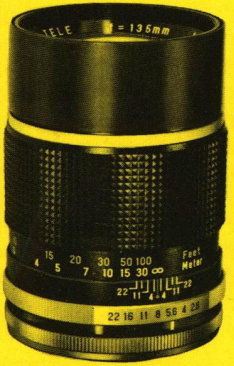
85mm—205mm F3.8

200mm F3.5



135mm F2.8

28mm F2.5

SOLE AGENT:

boggy

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