

AN OUTLINE OF
FACTS
YOU SHOULD
KNOW ABOUT:

Olympus FTography

Prepared for:

15 good reasons to buy a half-frame SLR camera

1) What is *half-frame*? It is a system of photography pioneered by Olympus Optical Co. of Tokyo, Japan which uses standard rolls of 35mm film, but puts two exposures on each 35mm frame. The negative size of 35mm is approximately 1" x 1½". Half frame is 1" x ¾".

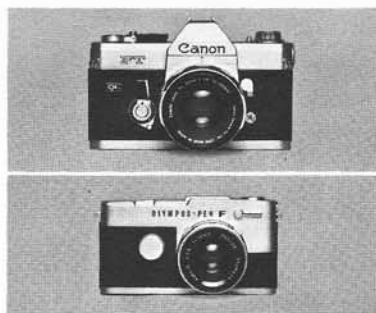


20 exposures with full frame 35mm
40 exposures with ½ frame 35mm

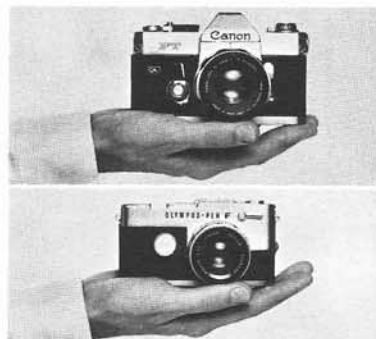


36 exposures with full frame 35mm
72 exposures with half frame 35mm

2) Uses standard 35mm film.



3) Let's compare the Pen-F to one of the finer full frame 35mm cameras. It is much smaller (its compact design eliminates the usual SLR protruding prism.)



4) Much lighter and easier to handle.

5) When you enlarge a 35mm negative to 8 x 10 or 16 x 20 you have to crop part of it.



But half-frame is closer to the 8 x 10, 16 x 20 proportion (whether horizontal or vertical) and requires little cropping. Therefore, enlargements of half-frame usually require only about 25% more enlargement than full frame.

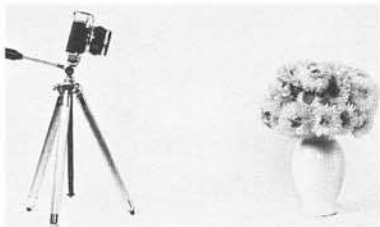
6) Kodak and other processing labs mount half-frame slides. The cost of processing the film is the same for full or half-



frame. The total cost for processing and mounting of half-frame slides is 33% less than the cost for full frame 35mm.



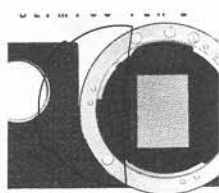
7) Kodacolor or equivalent color prints come back from processing in the same size (3½" x 5") for half frame and full frame. The cost of the print is the same. It is almost impossible to tell from the color print whether the color negative was half or full frame.



8) Focuses to 14" (with standard lens). Close-up photography without additional equipment. (Full frame 35mm focuses to 24" with standard lens).



9) New Olympus Pen-FT unique through-the-lens metering system. Eliminates the need for setting special dials when changing lenses. The extra large CdS meter measures the light at both *full* aperture or *shooting* aperture.



10) Unique *rotary* titanium focal plane shutter makes it possible to have full synchronization at *all* speeds. This is not possible with most 35mm full frame cameras because of shutter design limitations.

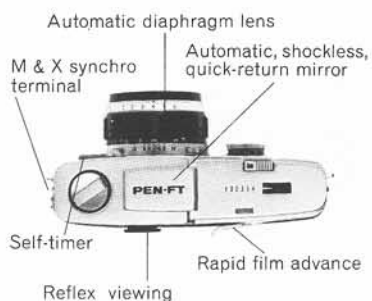


11) The Olympus Pen-FT is part of a complete photographic system with a wide range of accessories. The half-frame format permits smaller and lighter automatic, preset and zoom lenses.

12) The Olympus automatic 50 to 90mm zoom lens is equivalent to a 70 to 130mm zoom lens on a full frame 35.



13) All the latest features in SLR design:



14) The small size, light weight, extreme versatility and wide choice of accessories have made Olympus half-frame SLR a favorite with many famous professional photographers, industrial photographers, advanced amateurs and travelers all over the world.

It is generally recognized by photo authorities that Olympus quality is equal to that found in the finest full frame 35's.

15) The Pen-FT is less expensive to own.



For example, the Canon FT with behind-the-lens meter and f 1.8 lens...\$239.95.



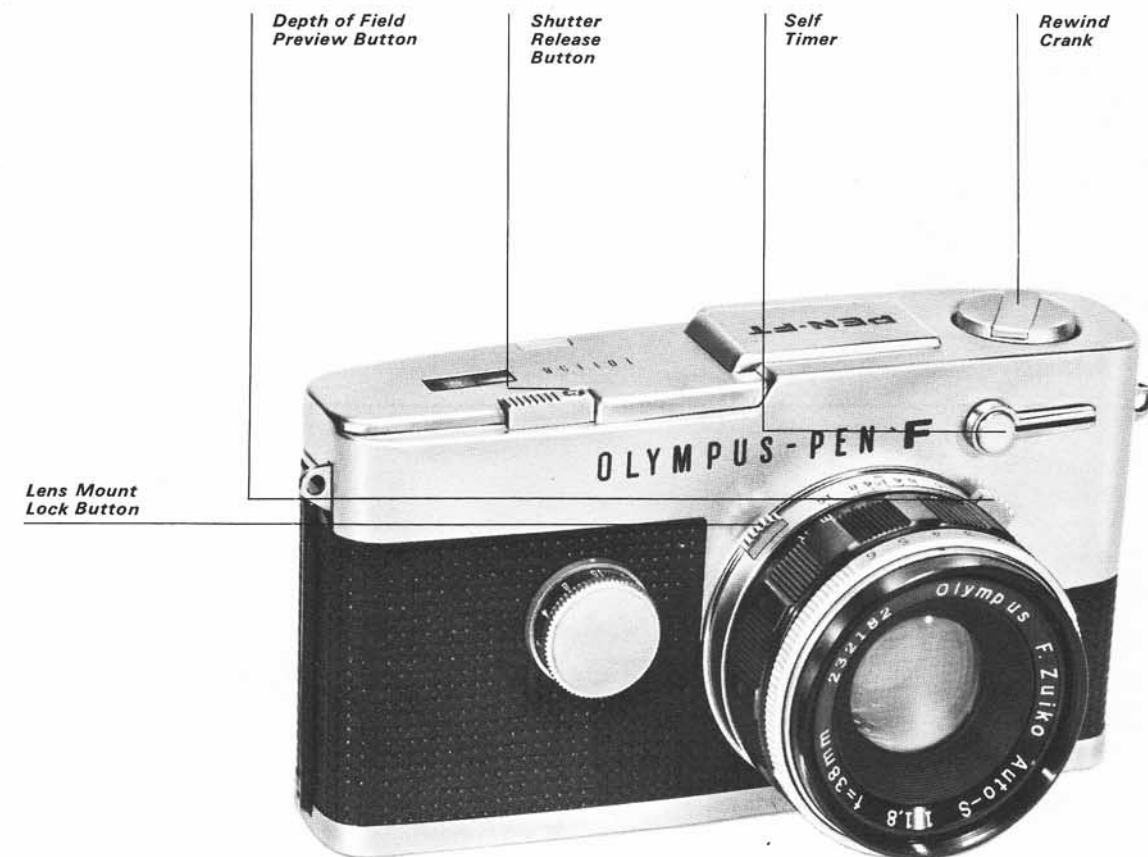
Olympus Pen-FT with behind-the-lens meter and f 1.8 lens...\$159.95.

See the new Pen-FT at your photo dealer or write for folder.

The new Olympus Pen FT

The only half-frame SLR... now with a unique behind-the-lens metering system

Olympus Pen FT Half Frame 35mm SLR with Through-the-Lens Metering System

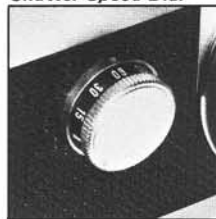


Visual Control Center

- [a] Exposure Control Numbers
- [b] Reference Needle
- [c] Micro Diaphragm Focusing Spot



Shutter Speed Dial



Flash Terminal with Built-in M-X Switch



Specifications

Standard Lenses

- 38mm f1.8—6 elements in 5 groups, angle of view 43°
- 40mm f1.4—7 elements in 6 groups, angle of view 41°
- 42mm f1.2—8 elements in 6 groups, angle of view 39°

Lens Mount

Standard Olympus Pen F bayonet type.
Lens Accessory Sizes 43mm threaded accessories fit 38mm f1.8 and 40mm f1.4 lenses; 49mm threaded accessories fit the 42mm f1.2 lens.

Shutter Rotary focal plane. Speeds from 1 to 1/500 sec. and B, with self-timer.

Exposure Control Through-the-lens CdS meter coupled to shutter speed and aperture. Averaging system of exposure measurement. Reading can be taken at either "open" aperture or "stop down" aperture. ASA range 25 to 400.

Battery 1.35 volt Mercury; Eveready PX 625 or equivalent.

Reflex Mirror Instant return, horizontally operated.

Flash Synchronization Full synchronization from 1 to 1/500 sec.; Standard PC receptacle with M-X switch built-in.

Film Advance Single stroke, thumb operated lever cocks shutter and advances film and counter.

Exposure Counter Numerical sequence. Automatically resets at S (Start) when film compartment door is opened.

Dimensions 5 in. wide x 2 1/4 in. high x 2 1/2 in. deep with 38mm f1.8 lens.

Weight 21 ounces with 38mm f1.8 lens.

Olympus Pen FT

- With automatic 38mm f1.8 lens
- With automatic 40mm f1.4 lens
- With automatic 42mm f1.2 lens
- Body only (without lens)

Soft Leather Eveready Case

Soft Leather Eveready Case (Replacement)

Body Cap

Flash Gun Accessory Shoe

Replacement Mercury Meter

Battery (No. PX 625)

Rear Lens Cap

Replacement Lens Cap

Replacement Lens Cap

Replacement Lens Cap

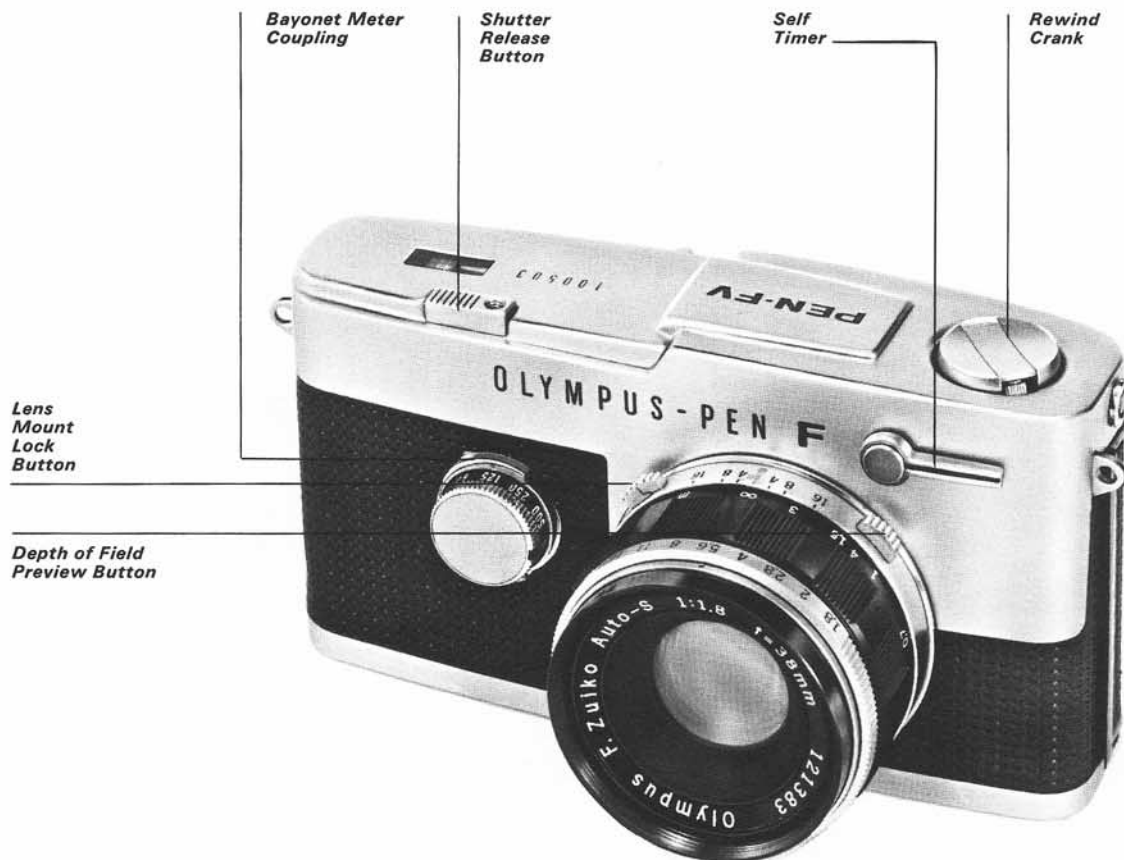
Replacement Lens Cap

Stock No.

18-1181*	159.95
18-1147*	179.95
18-1125*	219.95
18-1000	129.95
*	10.00
18-5008	10.00
18-8010	1.95
18-8032	2.50
79-2035	.85
18-8043	1.75
18-8021	1.75
18-8076	1.75

*Stock number for camera and case combination—
 Camera sold complete with case only.

Olympus Pen FV Half Frame 35mm SLR



*The Olympus Pen FV is identical in Design to the Olympus Pen FT
but without the Thru-the-Lens Meter.*

Specifications

Standard Lenses

38mm f1.8—6 elements in 5 groups, angle of view 43°

Lens Mount Standard Olympus Pen F bayonet type.

Lens Accessory Sizes 43mm threaded accessories fit 38mm f1.8 and 40mm f1.4 lenses; 49mm threaded accessories fit the 42mm f1.2 lens.

Shutter Rotary focal plane. Speeds from 1 to 1/500 sec. and B, with self-timer.

Exposure Control Accessory CdS exposure meter couples to shutter speed dial by means of a bayonet.

Battery 1.35 volt Mercury; Eveready PX 625 or equivalent.

Reflex Mirror Instant return, horizontally mounted.

Flash Synchronization Full synchronization from 1 to 1/500 sec.; Standard PC receptacle with M-X synchronization.

Film Advance Single stroke, thumb operated lever cocks shutter and advances film and counter.

Exposure Counter Numerical sequence. Automatically resets at S (Start) when film compartment door is opened.

Dimensions 5 in. wide x 2 1/4 in. high x 2 1/2 in. deep with standard 38mm f1.8 lens.

Weight 21 ounces with standard 38mm f1.8 lens.

Stock No.

Olympus Pen FV Camera		
With automatic 38mm f1.8 Lens	18-1583*	139.95
Body only (without lens)	18-1505	99.95
Soft Leather Eveready Case	*	10.00
Soft Leather Eveready Case	18-5008	10.00
(Replacement)		
CdS Coupling Meter for Olympus		
Pen FV Camera	18-8065	24.95
Replacement Mercury Meter		
Battery (No. PX 625)	79-2035	.85
Flash Gun Accessory Shoe	18-8032	2.50
Body Cap	18-8010	1.95
Rear Lens Cap	18-8043	1.75
Replacement Lens Cap	18-8021	1.75

*Stock number for camera and case combination—
Camera sold complete with case only.

Ponder&Best

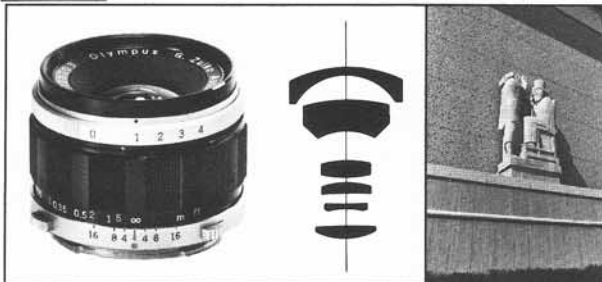
Olympus Automatic and Preset Lenses for Pen F, FT & FV

Olympus offers a complete line of high quality interchangeable lenses for the Pen F, FT, and FV cameras. All Olympus lenses are designed, manufactured and tested to meet the rigid standards established for the entire Olympus Pen F system of photography.

Olympus Pen F interchangeable lenses are designed in keeping with the concept of lightness of weight, compactness of size and reliability in operation that characterizes all the components of the Olympus Pen F system.

All Olympus Pen F lenses are calibrated in both conventional f/stops and the unique Olympus through-the-lens numbering system. The through-the-lens numbers are relative aperture values based upon "open aperture" light measurement as used in the operation of the FT metering system. The incorporation of the conventional f/stop calibrations insure the workability of the Olympus interchangeable lenses with conventional light metering systems such as that employed on the Pen FV camera, or with a hand-held meter.

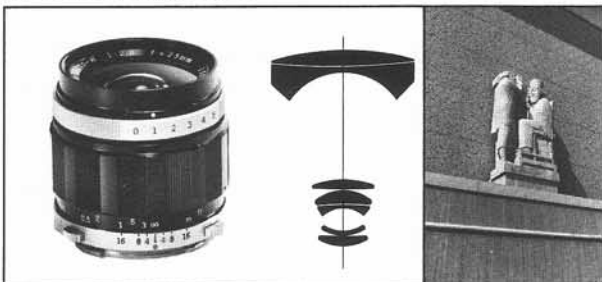
Wide Angle 20mm f3.5 G Zuiko Auto W



25mm f4.0 E Zuiko Auto W



25mm f2.8 G Zuiko Auto W



Wide Angle

20mm f3.5 G Zuiko Auto W*

7 elements in 6 groups; 73° angle of view.
Minimum focus: 8 in. (Equivalent focal length for 35mm: 28mm.) Accessory size: 43mm screw in.

25mm f4.0 E Zuiko Auto W*

5 elements in 5 groups; 62° angle of view.
Minimum focus: 10 in. (Equivalent focal length for 35mm: 35mm.) Accessory size: 43mm screw in.

25mm f2.8 G Zuiko Auto W*

7 elements in 5 groups; 62° angle of view.
Minimum focus: 10 in. (Equivalent focal length for 35mm: 35mm.) Accessory size: 43mm screw in.

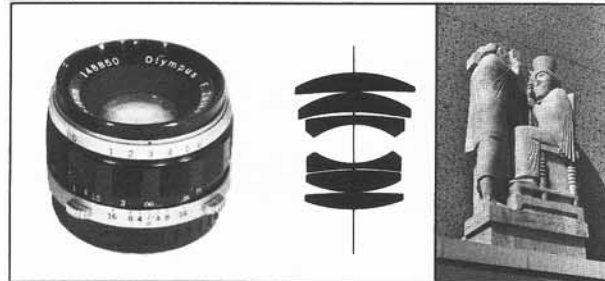
Stock No.

18-9109 **89.95**

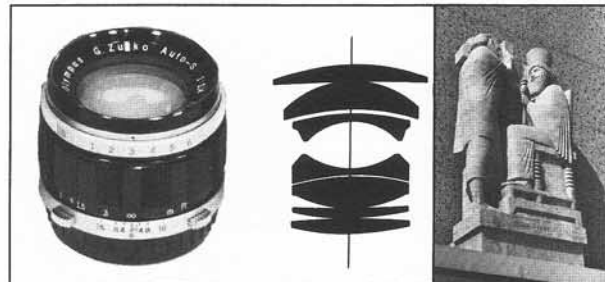
18-9110 **79.95**

18-9121 **99.95**

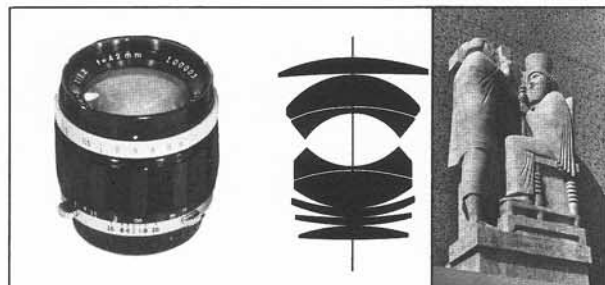
Normal 38mm f1.8 F Zuiko Auto S



40mm f1.4 G Zuiko Auto S



42mm f1.2 H Zuiko Auto S



Intermediate Telephoto 60mm f1.5 G Zuiko Auto T



Normal

38mm f1.8 F Zuiko Auto S

6 elements in 5 groups; 43° angle of view.
Minimum focus: 14 in. (Equivalent focal length for 35mm: 55mm.) Accessory size: 43mm screw in.

40mm f1.4 G Zuiko Auto S

7 elements in 6 groups; 41° angle of view.
Minimum focus: 14 in. (Equivalent focal length for 35mm: 58mm.) Accessory size: 43mm screw in.

42mm f1.2 H Zuiko Auto S

8 elements in 6 groups; 39° angle of view.
Minimum focus: 14 in. (Equivalent focal length for 35mm: 60mm.) Accessory size: 49mm screw in.

Intermediate Telephoto

60mm f1.5 G Zuiko Auto T**

7 elements in 5 groups; 28° angle of view.
Minimum focus: 2 ft. 7 in. (Equivalent focal length for 35mm: 85mm.) Accessory size: 49mm screw in.

Stock No.

18-9006 **39.95**

18-9017 **69.95**

18-9028 **99.95**

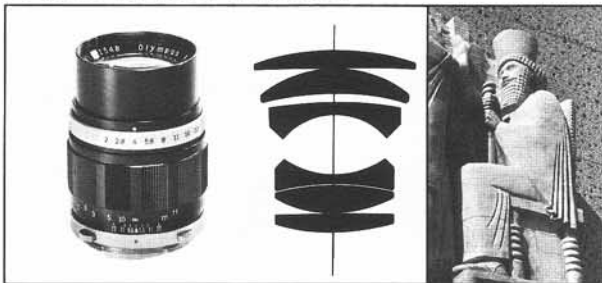
18-9202 **99.95**

*w/Leather Case

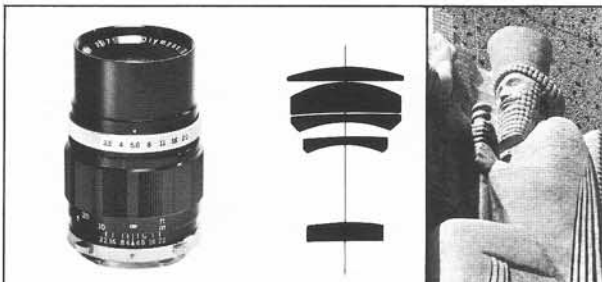
** w/Leather Case and Hood

Olympus Automatic and Preset Lenses for Pen F, FT & FV

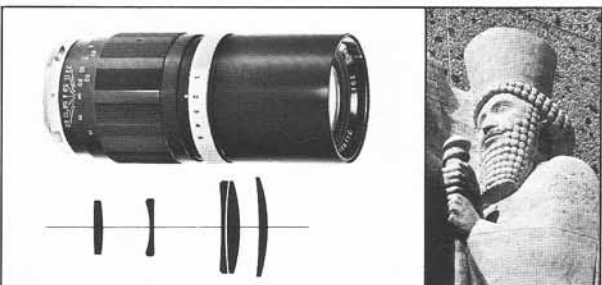
Telephoto 70mm f2.0 F Zuiko Auto T



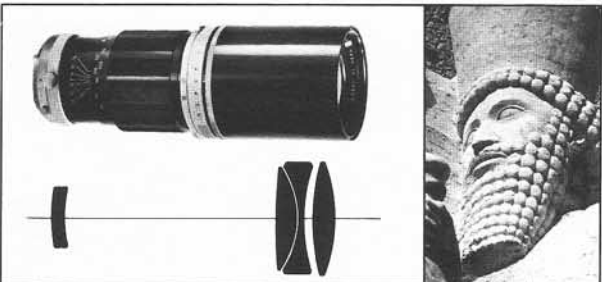
100mm f3.5 E Zuiko Auto T



150mm f4.0 E Zuiko Auto T



250mm f5.0 E Zuiko T



Telephoto

70mm f2.0 F Zuiko Auto T**
6 elements in 5 groups: 24° angle of view.
Minimum focus: 2 ft. 7 in. (Equivalent focal length for 35mm: 100mm.) Accessory size: 43mm screw in.

100mm f3.5 E Zuiko Auto T**
5 elements in 4 groups: 17° angle of view.
Minimum focus: 5 ft. (Equivalent focal length for 35mm: 143mm.) Accessory size: 43mm screw in.

150mm f4.0 E Zuiko Auto T**
5 elements in 4 groups: 12° angle of view.
Minimum focus: 5 ft. 7 in. (Equivalent focal length for 35mm: 210mm.) Accessory size: 49mm screw in.

250mm f5.0 E Zuiko T**
5 elements in 3 groups: 7° angle of view.
Minimum focus: 13 ft. 6 in. (Equivalent focal length for 35mm: 360mm.) Accessory size: 58mm screw in.

Stock No.

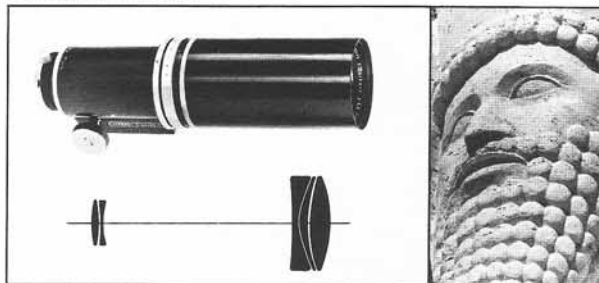
18-9213 89.95

18-9224 99.95

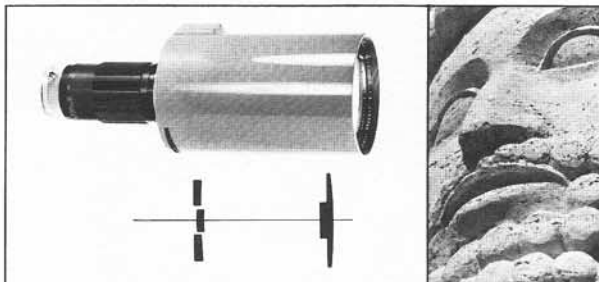
18-9235 119.95

18-9257 219.95

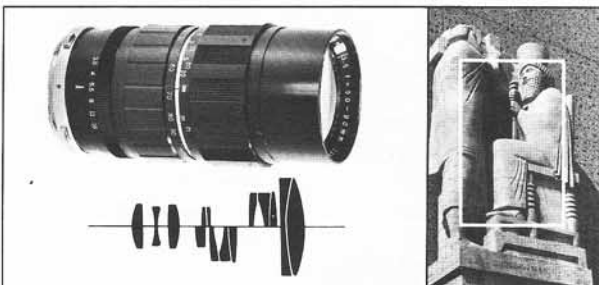
400mm f6.3 E Zuiko T



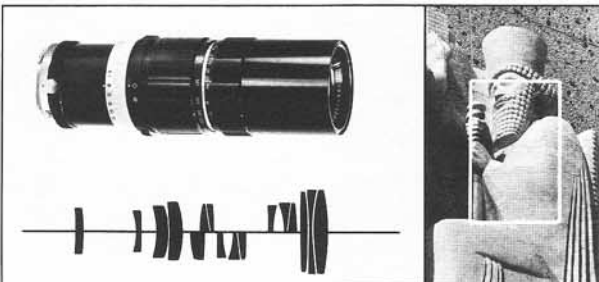
800mm f8.0 Zuiko Mirror T



Zoom Telephoto 50-90mm f3.5 Zuiko Auto Zoom



100-200mm f5.0 Zuiko Preset Zoom



Stock No.

18-9268 399.95

18-9246 985.00

18-9305 159.95

18-9316 199.95

400mm f6.3 E Zuiko T**
5 elements in 4 groups: 4° angle of view.
Minimum focus: 16 ft. 5 in. (Equivalent focal length for 35mm: 580mm.) Accessory size: 72mm screw in.

800mm f8.0 Zuiko Mirror T**
5 elements in 4 groups: 2° angle of view.
Minimum focus: 48 ft. 6 in. (Equivalent focal length for 35mm: 1150mm.) Accessory size: 25.5mm (rear mounted).

Zoom Telephoto 50-90mm f3.5 Zuiko Auto Zoom**
10 elements in 8 groups: 34° to 19° angle of view. Minimum focus: 5 ft. (Equivalent focal length for 35mm: 70 to 130mm.) Accessory size: 49mm screw-in.

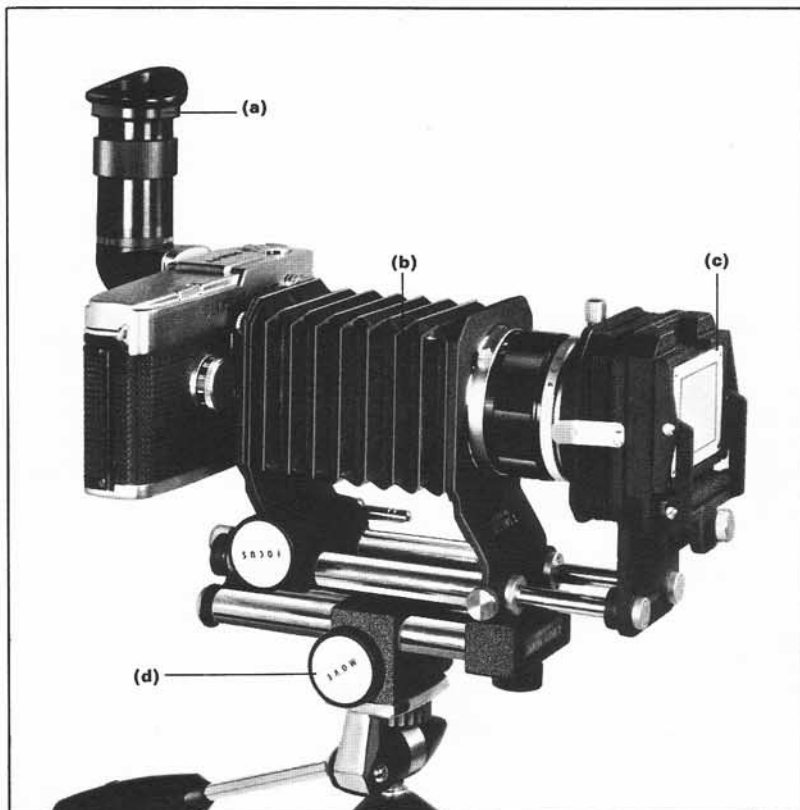
100-200mm f5.0 Zuiko Preset Zoom**
12 elements in 9 groups: 17° to 9° angle of view. Minimum focus: 5 ft. 7 in. Equivalent focal length for 35mm: 143 to 286mm. Accessory size: 49mm screw-in.

**w/Leather Case and Hood

Olympus Pen F, FT, FV Accessories

(a) Right Angle Magnifier w/Eye Shade
(b) Bellows

(c) Slide Copier
(d) Camera Slider



Reverse Ring



Magnifier



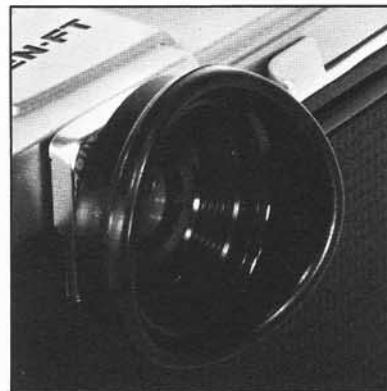
Right Angle Finder



CdS Coupling Meter



Eye Correction Lens Adapter



Right Angle Magnifier with Eye Shade Attaches to viewfinder eyepiece as an aid when copying or when photographing objects close to the ground. Magnifies image for critical focusing and permits the photographing of a subject at right angles to the direction of view.

Bellows 2 Double track with rack and pinion. Rear of bellows fits directly to camera body while front accepts camera lens. Extension range from a minimum of 26.6mm to a maximum of 98.8mm. Camera body may be rotated up to 90 degrees while mounted on bellows.

Slide Copier 2 Designed for use with bellows attachment for duplicating from full frame or half frame slides or other transparent objects in color or black and white.

Camera Slider 2 Dual Track. Provides maximum stability while extending the flexibility of the bellows attachment. Allows camera to be moved without moving the tripod.

Stock No.	
18-8249	24.95
18-8113	29.95
18-8157	19.95
18-8135	17.95

Reverse Ring 2

Allows reversing of camera lens for close-up photography. Two-piece construction with bayonets for both front and rear of lens. May be used with slide copier, or other lens accessories. Accepts filters.

Magnifier Attaches to viewfinder eyepiece. Provides magnified view of subject, and enhances the accuracy of focusing, particularly in close-up and copy work.

Eye Correction Lens Adapter Attaches to viewfinder eyepiece for holding diopter correction lens. May be used without correction lens. Also acts as an eye shade.

CdS Coupling Meter Couples to shutter speed dial on Pen F and Pen FV cameras.

Right Angle Finder Convenient accessory for use with camera and copy stand, or for photographing objects at ground level. Permits the photographing of a subject at right angles to the direction of view.

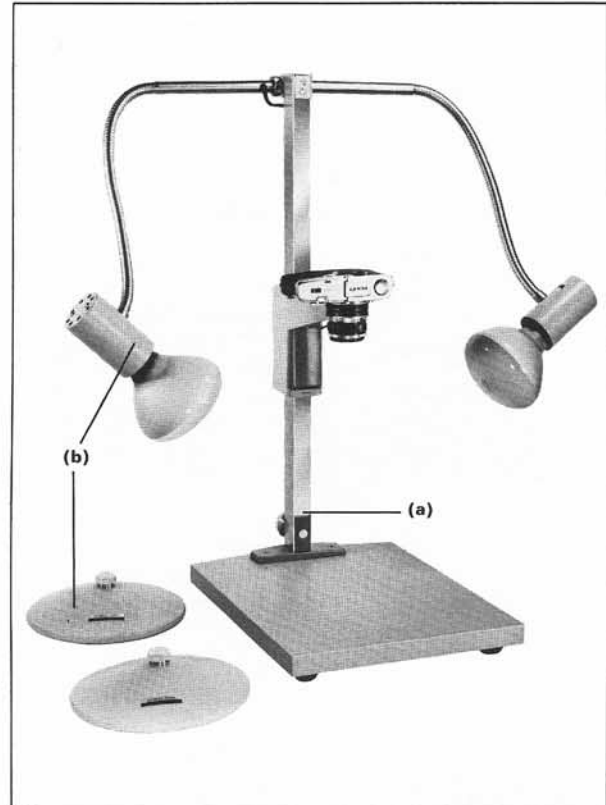
Stock No.	
18-8179	13.95
18-8205	14.95
18-8261	3.25
18-8065	24.95
18-8227	24.95

Olympus Pen F, FT, FV Accessories

Pen Up 3 Copy Stand



(a) **Pen F Copy Stand**
(b) **Olympus Lighting Set**



Lens Mount Adapters Nikon, Pentax, Exakta, Leica



Set Case



Pen Up 3 Copy Stand Portable copy unit, complete with leather case.

Lens Mount Adapter To adapt other prime camera lenses for use on Olympus Pen F series cameras. Available for Pentax-Mamiya/Sekor, Exakta, Nikon, and Leica lenses. Note: Leica lenses may be used for close-up photography only.

Mamiya/Sekor, Pentax
Lens Mount Adapter 18-8308 12.95
Nikon Lens Mount Adapter 18-8319 12.95
Exakta Lens Mount Adapter 18-8320 12.95
Leica Lens Mount Adapter 18-8331 12.95
Vivitar Compatible "T" Mount Adapter (TA-12) (for use with "T" mount lenses on Olympus Pen F Series Cameras) 20-9120 7.50
Microscope Adapter (not illustrated) 18-8180 14.95

Stock No.
18-8766 22.95

Extension Ring Set Four-piece set. May be used with any Pen F series lens except the zoom lenses. For close-up photography. (Not illustrated)

Pen F Copy Stand Heavy duty copy stand complete with baseboard, vertical column, and adjustable camera platform.

Olympus Lighting Set Designed for Olympus Pen F copy stand. Two units in a set. Complete with weighted base units for holding lights when detached from copy stand.

Set Case Convenient compartment case designed to hold the camera fitted with one lens. There is also room for a wide angle or standard lens in addition to film and small accessories.

Stock No.
18-8168 19.95

18-8700 85.00

18-8711 37.00

18-5307 19.95

Facts You Should Know About The Economy of Olympus Half Frame FTography

Film Size	Film Type	Cost of Film	Cost of Processing/Printing/Mounting	Total Cost of Full Frame Slides/Prints	Total Cost of 40 Half Frame Slides/Prints	Total Cost of 72 Half Frame Slides/Prints	Cost per Slide/Print
35mm Full Frame	K135-20	2.10	2.10	4.20			.21
35mm Half Frame	K135-20	2.10	3.40		5.50		.14
35mm Full Frame	CX135-20	1.95	6.80	8.75			.42
35mm Half Frame	CX135-20	1.95	12.60		14.55		.36
35mm Full Frame	K135-36	2.95	3.40	6.35			.18
35mm Half Frame	K135-36	2.95	5.75		8.70		.12
35mm Full Frame	CX135-36	2.75	11.44	14.19			.39
35mm Half Frame	CX135-36	2.75	21.88		24.63		.34

Facts You Should Know About Projecting Full Frame and Half Frame Slides

Full Frame Projection Chart

LENS FOCAL LENGTH	PROJECTION SCREEN SIZES								
	40"	50"	60"	70"	84"	8'	9'	10'	12'
	X	X	X	X	X	X	X	X	X
	40"	50"	60"	70"	84"	8'	9'	10'	12'
	APPROXIMATE DISTANCE—PROJECTOR TO SCREEN HORIZONTAL OR VERTICAL PROJECTION								
3"	7'	9'	11'	13'	16'	18'	20'	22'	27'
4"	10'	13'	15'	18'	21'	24'	27'	30'	36'
5"	13'	16'	19'	22'	25'	30'	35'	38'	45'
6"	15'	18'	22'	25'	30'	35'	39'	44'	52'
7"	17'	21'	26'	30'	36'	41'	46'	51'	61'

Half Frame Projection Chart

LENS FOCAL LENGTH	PROJECTION SCREEN SIZES								
	40"	50"	60"	70"	84"	8'	9'	10'	12'
	X	X	X	X	X	X	X	X	X
	40"	50"	60"	70"	84"	8'	9'	10'	12'
	APPROXIMATE DISTANCE—PROJECTOR TO SCREEN VERTICAL OR HORIZONTAL PROJECTION								
3"	11'	14'	17'	19'	23'	27'	30'	33'	40'
4"	15'	19'	22'	26'	31'	36'	40'	44'	53'
5"	19'	23'	28'	32'	39'	44'	50'	56'	67'
6"	22'	28'	33'	39'	47'	53'	60'	67'	80'
7"	26'	32'	39'	49'	55'	62'	70'	78'	93'

18 Key Selling Facts You Should Know About Olympus Pen FT System of Photography

1. World's smallest SLR camera.
2. Has all mechanical and operating features of full frame SLR cameras.
3. Behind-the-lens meter.
4. Uses unique TTL numbering system.
5. Meter can be read with open or closed aperture.
6. Can be used with Nikon, M/S-Pentax, Leica, Exakta and "T" Lens without loss of TTL Metering system.
7. Incorporates metal focal plane rotary shutter which allows synchronization at any speed with electronic flash and bulbs.
8. No distortion of moving subject due to movement of focal plane.
9. Even exposure of total frame.
10. Complete system offering accessories for photomacrography and photomicrography.
11. Complete selection of lenses from 20mm to 800mm plus two zoom lenses.
12. Positive locking rigid bayonet lens mount.
13. For travel—carry less film for more pictures (many countries have import restrictions on film).
14. For test, technical and experimental photos, shoot more pictures without the need to reload.
15. Much more economical to shoot $\frac{1}{2}$ frame.
16. No penta prism housing "hump."
17. Focuses to 14" with no attachments on standard lens.
18. Ideal film strip camera.