

ALPA ROTO 70/60 70MM REFLEX PANORAMIC CAMERA 360°

JANUARY 1983

FOR STUDIOS, EXHIBITIONS, HELICOPTERS, LANDSCAPES, WOODS, GARDENS, TERRACES, FACTORIES, HALLS, APARTMENTS, WELLS, PIPES, DRILLING HOLES, INSIDES OF ROOMS AND LARGE CAVITIES.

Single-lens reflex camera with lateral viewfinder, precision built in Switzerland.

The automatic swing mirror for framing is also the shutter which opens automatically when the camera is released.

The removable electric motor rotates the camera around its own central axis, while the film is transported behind a slot of variable width with 3 settings. The rotating speeds are functioning properly, if the camera rotates in exactly horizontal position.

The 5 shutter speeds - 1/250, 1/125, 1/60, 1/30, 1/15 second - are the combined result of the rotating speed and the variable width of the slot.

The motor offers 2 electronically controlled rotating speeds: Position 1 for slow rotation, Position 2 for fast rotation.

Exposure correction is possible by partial adjustment of the width of the slot, either at its lower end or at its top end. For instance when shooting a landscape against a bright sky, the top end of the slot should be reduced in width.

The exposure chart on the camera back recommends the proper settings. Both exposure time and exposure correction are set manually, by means of 2 knobs.

The rechargeable power pack 12 Volt/1.2 Ah has a capacity of approximately 20 pictures or 360°, at a temperature of 20° Celsius (68° Fahrenheit).

The camera is designed for 70mm perforated film or interchangeable 60mm standard roll-film backs 120 and 220.

The length of film used for a complete panorama of 360° is 475mm (18.7").

The frame counter on the back of the camera shows the number of pictures that can be taken per film, for either 180° or 360° shots.

Exposure data can be recorded on the small panel underneath.

The ALPA Roto 70/60 panoramic camera 360° has a built-in fixed focus lens: Rodenstock P.A. Grandagon 75mm/6.8 with stops of: f/8, f/11, f/16, f/22. The filter size is 58mm.

With the perspective lens adjustment of more than 30mm (1.4") vertically, converging lines can be avoided to a great extent. A mark indicates normal lens position.

The film indicator for loading the camera has 3 positions:

Position 1: Rollfilm back 120
Position 2: Rollfilm back 220
Position 3: 70mm film cartridge.

The camera can be turned one way only, in order to avoid any accidental rewinding of the film.

The electric motor is activated by the 10ft. cable release. It stops automatically, when the pre-set angle has been reached. When shooting 360° the camera will stop at approximately 370°: which gives a safety margin for easy trimming and editing of the complete negative or positive film.

The 6ft. (2m) cord between power pack and camera can be lengthened with a 10ft. (3m) cord.

The camera must be adjusted to an exactly horizontal position by checking the built-in level, so as to avoid distortion.

Dimensions: 9 1/2" x 9 1/4" x 5 3/4"
Weight : 16 lbs.
Tripod socket: 3/8"
Thread for attachable light: 1/4"

The ALPA Roto 70/60 panoramic camera 360° is supplied with:

Rodenstock P.A. Grandagon 75mm f/6.8
Cable release 10ft.
Power Pack 12 Volt/1.2 Ah with 6ft. (2m) cord
Recharger for 110/220 Volt AC
70mm film cartridge

Optional Accessories:

Heavy duty metal carrying case
Fast recharger for 110/220 Volt AC
Extension cord for power pack 10ft. (6m)
Power Pack 12 Volt/1.2 Ah (spare)
70mm film cartridge (spare)

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ORDER FORM:

SEPTEMBER 1, 1990

QTY ALPA ROTO 70 SWISS SINGLE-LENS REFLEX PANORAMIC CAMERA 90° - 360°

81000	ALPA Roto 70 with electronically governed motor, P.A. Rodenstock Grandagon 75mm f/6.8-f/32 fixed focus at infinity, for standard cartridges 70mm/15 ft (22 1/2 ft extra thin) or 60mm rollifilms 220/5 1/2 ft	6,999 00	5,600 00
81111	Cable release 8 ft for automatic or manual operation with plug for extension	399 00	320 00
81121	Power Pack 12 Volt DC/2.2 AH	699 00	560 00
81142	Rapid Recharger 220/110 Volt AC (1 1/2 hours charging to 80%) ..	799 00	640 00
81150	Lenshood	99.00	80.00
81006	COMPLETE ALPA ROTO 70 UNIT	8,995 00	7,200 00
81006A	ALPA ROTO 70 with P.A. Rodenstock Grandagon 75mm f/6.8-f/32 fixed focus for close distances (specify distances, must be ordered with camera)	same as above	
81010	Interchangeable Back (must be individually adapted)	1,999 00	1,600 00
81115	Remote Cable Extension 350 ft	599 00	480 00
81170	Empty 70mm Cartridge	59 00	48 00
81180	Angle Support for upside down use of ALPA ROTO 70	299 00	240 00
81160	Suspension System for Helicopter weight 14 lbs	3,995 00	3,200 00
81190	Counterweight for 81180 or 81160, weight 2 lbs	499 00	400 00
81210	Metal Carrying Case for camera, power pack, recharger, films, 20" x 10" x 13"	249 00	200 00
	Instruction Book (if ordered separately)	4 95	4.00

GITZO TRIPODS WITH LEG SPREADING, FOR ALPA ROTO 70

505B6	Tele Studex Compact Ball 6	869 95	580 00
505BC6	Tele Studex Compact Ball 6/Cremaillere Gearlift.	1,219.95	813 35
570	Rational 5 Head	219 95	146 70
F88	Triangle Bag for Power Pack, Remote Release, attaches to tripod	69 95	46 70
For other GITZO tripods, heads, accessories: see GITZO Photo and Video folders, pricelists			

"SWISS PANORAMA" BOOK BY PROFESSIONAL PHOTOGRAPHER EMIL SCHULTHESS

28	Fabulous 4-color Panoramas of Swiss Landscapes, Mountains, Cities	50 00	40 00
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PROCESSING AND ENLARGING LABORATORIES FOR ALPA ROTO 70

Panoramic Laboratory	12201 Hadley St	Whittier, CA 90601	(213)692-3917
Panorama Photography	739 W Holt Blvd	Ontario, CA 91761	(714)986-5305
Pro Photo Connection	17851 Sky Park Circle	Irvine, CA 92714	(714)250-7073
S & S Optika	5172 S Broadway	Englewood, CO 80110	(303)789-1089
Hallmark Color Labs	Millers Falls Road	Turner Falls, MA 01376	(413)863-2152
Kamhi Kolor	420 Lexington Ave Rm. 644	New York, NY 10017	(212)286-0005
Conkling s	4929 N E Fremont	Portland, OR 97213	(503)281-1135
Fotografika, Inc	6735 I H 10 West	San Antonio, TX 78201	(512)735-0041
Images	32 E Queens Ways	Hampton, VA 23669	(804)72307677

please ask for separate information:

ALPA 11si custom-built 35mm SLR camera with Macro Switar 50mm f/1.9 APOCHROMAT, focusing to 7", in chrome, black or 18 Karat gold finish, 24X36mm or 18X24mm (17X22 5mm) half frame, spacing accuracy 0.02mm
ALPA 11si PIN, pin register camera, spacing accuracy 1/100mm
Earlier ALPA cameras, lenses, accessories
ALPA Hi-Fi Dia Duplicator with complete contrast control
SPINSHOT 35S Panoramic Camera 360° handcrafted in the US

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