34-11 62ND STREET • BOX 427 ODSIDE, NY 11377 • (212) 565-0004 35MM SLR, 18 KARAT GOLD, 360° PANORAMIC 70MM CAMERAS SWISS CUSTOM BUILT—FULL 5 YEAR WARRANTY

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° Farenheit).

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:

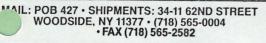
Rodenstock P.A. Grandagon 75mm f/6.8 Cable release 10ft. Power Pack 12 Volt/1.2 Ah with 6ft. (2m) cord Recharger for 110/220 Volt AC 70mm film cartridge

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)

FULL 5 YEAR WARRANTY BUYER PROTECTION

IDEAL FOR PROFESSIONAL PHOTOGRAPHY, ARCHITECTURE, METEOROLOGY, INDUSTRY, ENGINEERING, SCIENCE, INSPECTION, EXHIBITS, SURVEILLANCE, TRAFFIC, POLICE, GOVERNMENT, ARMED FORCES



35MM SLR, GOLD, PIN REGISTER, HALF FRAME, 70MM SLR, PANORAMIC CAMERA SWISS CUSTOM BUILT-FULL WARRANTY FOR LIFE-PLUS REINCARNATIONS!

ALPA ROTO ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

ALPA ROTO 70 SMISS SINGLE-LENS REFLEX PANDRANIC CAMERA 90° - 360°	ORDER FORM:	SEPTEMBER 1, 1990	
Time 1/6 8-f/32 fixed focus at infinity, for standard cartridges 70mm/15 ft (22 1/2 ft extra thin) or 50mm 701filing 220/5 1/2 ft (12 1/2 ft extra thin) or 50mm 701filing 220/5 1/2 ft (13 20) (22 1/2 ft extra thin) or 50mm 701filing 220/5 1/2 ft (13 20) (23 20) (23 20) (23 20) (24 20) (24 20) (24 20) (25 20	QTY ALPA ROTO 70 SWISS SINGLE-LENS REFLEX PANORAMIC CAMERA 90° - 360°		
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