General:

1. Film spools and winding mechanism are built into a 35-mm. magazine that fits on the back of the camera.
2. Camera case, camera back, magazine case, and range finder housing are of die cast aluminum.
3. Raised ribs around the outside of camera case and magazine case are bright finished and chromium plated.
4. Range finder housing and lens tube are sand blasted and chromium plated aluminum.
5. Camera case, magazine back, and face of focusing knob are covered with black morocco-grained leather.
6. Control dials and exposure counter have a circular polish and are chromium plated.

Magazine:

1. Consists of a die-cast aluminum case and back hinged together with a removable hinge pin.
2. Magazine fits in place on camera case and is held there with two knurled lock nuts, located at each end of case, and a sliding lock.

Range Finder:

1. Optical system consists of: two 90° end prisms, coincidence prisms, erecting prism, two achromatic telescope objectives, collective lens, and eye lens.
2. Split field, military type, range finder linked with focusing mechanism of all interchangeable lenses.

View Finder:

1. View finder system consists of: Positive field lens, negative field lens, and eye lens.
2. The negative field lens is movable to change the image size when telephoto lenses are used.
3. The positive field lens is linked with focusing mechanism to eliminate parallax.

Lens:

1. Kodak Anastigmat Ektar f/1.9 50 mm., formula 322, 7-element lens furnished as standard equipment.
2. Focusing is accomplished by moving entire lens.
3. Focus range 3\(\frac{1}{2}\) feet to infinity with range finder, and 1\(\frac{1}{2}\) feet to 3\(\frac{1}{2}\) feet without range finder. With a special adapter the range finder may be used for focusing objects at distances from 1\(\frac{1}{2}\) to 3\(\frac{1}{2}\) foot, but not coupled to lens.
4. Eight interchangeable lenses available (see "Accessories").
5. Each lens has a cam for controlling the range finder and has a focus scale engraved on its lens mount, which works in conjunction with focus depth scale.
6. Diaphragm is set with diaphragm ring in lens.

(Continued)
Super Kodak 35 -- (Construction)

Shutter:

1. A focal plane shutter with variable slit is used.
2. Shutter curtain, a standard flexible rubberized material, operates horizontally across aperture.
3. Shutter is automatically set by film winding lever.
4. Shutter mechanism is located in range finder housing just below speed control dials.

Weight and Size:

1. Overall body size 3-5/16" high, 5-9/16" long, 1-5/16" wide.
2. Weight without lens -- 1 lb. 11 oz.
   Weight with f/1.9 lens -- 2 lbs. 2 oz.

(Features)

Interchangeable Magazine:

1. Winding handle on back winds proper amount of film with two strokes -- at the same time setting the shutter.
2. Two locking screws hold magazine to camera. In addition to these a sliding lock must be opened to remove the magazine from camera. Opening this sliding lock, moves a light-tight curtain over the aperture and locks the winding handle. Thus, film cannot be accidentally wasted when the magazine is not on the camera.
3. Magazines are interchangeable so that one may switch from Panatomic X to Super XX or to Kodachrome by having extra magazines.
4. Magazine back is removable, allowing the use of ground glass and motor film and shutter drive (see "Accessories").

35 mm. Magazine:

1. Picture aperture 24 x 36 mm.
2. Takes 35 mm. film in standard 36 exposure cassettes.
3. Film is wound onto take-up spool and rewound onto supply spool.
4. Take-up spool, film winding and locking sprocket, and quick return winding mechanism are self-contained.
5. Film locking sprockets permit film to be wound only the correct amount for each exposure.
6. An exposure record dial is provided to record the number of exposures made at the time magazine is removed from camera.
7. If film is not fully wound into position, shutter release button will not trip shutter.
8. A pulse on the back of camera indicates that film is being wound through camera -- that winding mechanism is functioning correctly.

Range Finder:

1. Eye piece of range finder may be focused by means of dial on top of range finder housing. Dial graduated in diopters for convenience in resetting.
2. Wide base and 2x magnification of range finder permits greater precision in focusing.
3. A special adapter permits focusing objects at distances from 1 1/2 feet to 3 1/2 feet with regular lens equipment. However in this range, the lens is not coupled to the range finder.

(Continued)
View Finder:

1. Variable power optical view finder operated by dial on top of range finder housing. Dial graduated in focal lengths corresponding to interchangeable lenses.
2. Focusing eye-piece in view finder.
3. Eye-pieces of range finder and view finder separated by only 1/2 inch for minimum travel in shifting from one to the other.

Lens:

1. Diaphragm easily controlled by ring on lens mount.
2. A tripod nut is located on bottom of lens flange.

Shutter:

1. Speeds of 1/1000, 1/500, 1/250, 1/100, 1/50, 1/25, 1/10, 1/5, 1/2, 1 seconds and "Bulb" are provided.
2. Speeds of 1/25 to 1/1000 seconds controlled by one dial, on top of range finder housing, by varying slit in shutter.
3. Speeds of 1 second to 1/10 seconds and "Bulb" are controlled by another dial, on top of range finder housing, by a time-delay gear train.
4. Shutter release button is located at rear left hand corner of range finder housing for convenient operation with left forefinger.
5. A cable release may be attached to regular release button.
6. Shutter cannot be released until film is fully wound.
7. A self-timer, with approximately 15 seconds delay time, is provided in Kodak.

Exposure Counter:

1. An exposure counter is located on the top of the range finder housing. This is set manually when a new roll of film is loaded, and automatically records the number of exposures made.

(Accessories)

Motor Drive Back:

1. An extra back that will be attached to the camera, in place of the regular back, contains a spring motor for driving the film and shutter. After each exposure, the motor resets the shutter and winds the film into position for the next exposure.
2. With the motor fully wound, twelve exposures can be made without rewinding.
3. Twelve pictures can be taken in approximately twelve seconds.
4. It may be attached by the customer by removing the regular back and replacing it with the motor drive back. The hinge pin may be partially removed to accomplish this.

Photo-electric Unit:

1. This unit consists of a photo-electric cell system and automatic exposure control mechanism. These will be assembled in another range finder housing that will fit on the camera in place of the present range finder housing to make a deluxe model. This must be done at the factory.

(Continued)
E-167A Super Kodak 35 -- (Accessories)

Photo-electric Unit: - Continued

2. This unit will automatically control the exposure by varying the slit in the shutter for speeds of 1/25 to 1/1000 seconds.

Interchangeable Lenses:

1. All lenses are Kodak Anastigmat Ektar whose true relative aperture is equal to the nominal relative aperture.

<table>
<thead>
<tr>
<th>Focal Length</th>
<th>Aperture</th>
<th>Formula</th>
<th>No. Elements</th>
<th>Minimum Focus Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 mm.</td>
<td>f/3.3</td>
<td>148-A</td>
<td>5</td>
<td>3 1/2 ft. with range finder</td>
</tr>
<tr>
<td>50 mm.</td>
<td>f/1.5</td>
<td>315</td>
<td></td>
<td>1 1/2 ft. without &quot;</td>
</tr>
<tr>
<td>50 mm.</td>
<td>f/1.9</td>
<td>322</td>
<td>7</td>
<td>(Same)</td>
</tr>
<tr>
<td>50 mm.</td>
<td>f/3.5</td>
<td>97-ATS</td>
<td>4</td>
<td>(Same)</td>
</tr>
<tr>
<td>90 mm.</td>
<td>f/3.5</td>
<td>307</td>
<td>3</td>
<td>3 1/2 ft. with range finder:</td>
</tr>
<tr>
<td>85 mm.</td>
<td>f/1.6</td>
<td>160R</td>
<td></td>
<td>to full extension of focusing sleeve without range finder.</td>
</tr>
<tr>
<td>135 mm.</td>
<td>f/3.8</td>
<td>Telephoto #6</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>152 mm.</td>
<td>f/4.5</td>
<td>Telephoto #3A</td>
<td>4</td>
<td>6 feet.</td>
</tr>
<tr>
<td>254 mm.</td>
<td>f/4.5</td>
<td>Telephoto #5</td>
<td>4</td>
<td>Possibly to 6 feet</td>
</tr>
</tbody>
</table>

Ground Glass Focusing Back:

1. A special back that can be positioned on camera by removing regular back and replacing ground glass back.

2. Has a folding hood and a magnifying viewing lens for either eye-level or waist-level operation.

Lens Extension Tube:

1. This will be provided for photographing objects at very close distance.

E-167A Super Kodak 35 -- (Accessories)

Range Finder Adapter:

1. A special range finder and view finder adapter for focusing on objects at distances from 1 1/2 feet to 3 1/2 feet. However the lens is not coupled to the range finder for these closer ranges.

(Continued)
E-167A Super Kodak 35 -- (Accessories)

Adapter for View Finder:

1. Mask adapter for 250 mm. Telephoto lens.

Miscellaneous:

1. Cable Release:
2. Braided Leather Shoulder Strap:
3. Field Case:
4. Standard Carrying Case:
5. Filters and Sunshades:
6. Combination overhead and Waist-level view finder of large finder field.
7. View finder for taking pictures at right angles to camera axis.
8. Telescope adapter with its optical path through regular View finder of Kodak, to magnify the finder field.
9. Load indicating dial, which may be manually set to indicate type of film in camera.