

CODE NO.
3-31601-21

ITEM
Canon 310XL w/lens 8.5-25.5mm
f1.0 & case

Canon 310XL

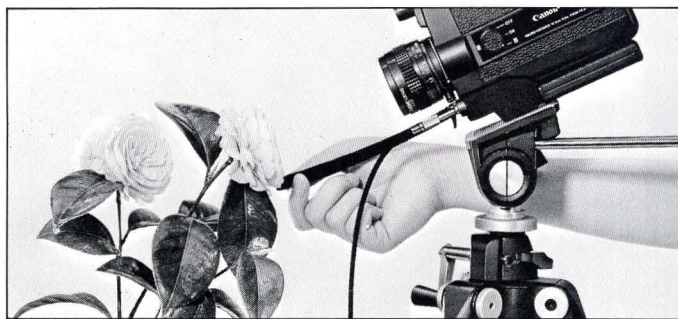
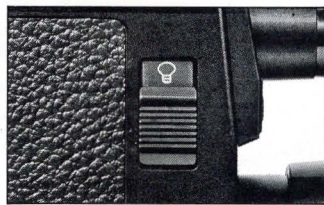
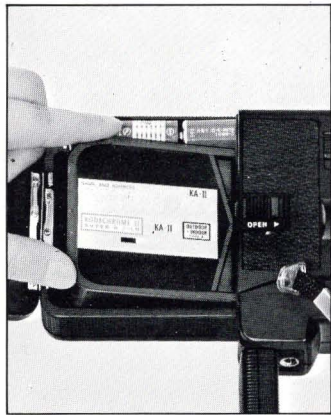
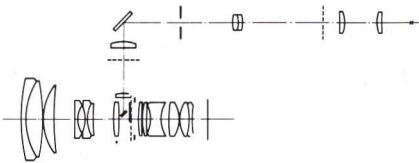
Fastest gun in the West, East, North and South.



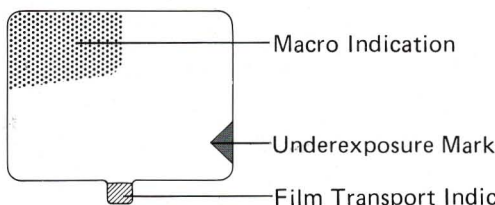
SPECIFICATIONS

- **Type:** SLR type Super 8 with XL mechanism
- **Frame Size:** 5.8x4.2mm Super 8 size (Movie frame), 5.4x4mm (Projection frame)
- **Lens:** Focal Length 8.5~25.5mm (Zoom Ratio 3) f 1.0. Lens construction: 13 elements in 11 groups. Coating: Spectra coating. Filter thread size: 43mm. Lens cap size: 45mm
- **Macro Shooting Mechanism:** The macro shooting mechanism is activated by switching the macro set lever. With the focus set at infinity (∞), close-up shooting at 21.5cm from the film plane indicator is possible
The field size is then 84.4x118mm
- **Viewfinder:** Single reflex aerial image system
(Viewfinder Information): Underexposure warning mark; Film transport indicator; Battery check lamp; Macro indication; Dioptic adjustment -4 ~ +2 dpt. with eyecup
- **EE Mechanism:** Automatic exposure mechanism coupled to film speed and filming speed
(Electric Eye System): Light measurement by a CdS photocell through the window above the main lens. Exposure Control Plate
- **EE Metering Range:** ASA 250 f 1.0 18 fps; ASA 25 f 45 18 fps, single frame
- **Film Speed:** (Artificial light) ASA 40 160 250
(Daylight) ASA 25 100 160
- **Film Speed Setting:** Automatically set when cartridge is loaded
- **Color Temperature Adjustment Filter:** Built-in CCA filter for correct color balance with tungsten film under daylight and switch on camera body for quick cancellation of filter under artificial light. Filter is automatically cancelled when daylight type film cartridge is inserted
- **Filming Speeds:** 18 fps, single frame
- **Angle of Shutter Opening:** 220°
- **Drive System:** Film drive with high-performance electric micro-motor and power zooming
- **Power Source:** 2 penlight batteries (3V)
Film drive; power zooming; exposure metering;
Sufficient for 5 cartridges under normal temperatures; One cartridge with new batteries when shooting single frames
- **Footage Counter:** Automatically returns to S and counts footage of exposed film. Coupled to the removal of the cartridge
- **Battery Check:** A lamp in the viewfinder activated by the check button
- **Grip:** Collapsible
- **Socket:** Cable release socket
- **Switch:** "ON-OFF" single frame switch used also as safety switch
- **Safety Mechanism:** Switch to prevent unnecessary battery consumption or shooting inadvertently
- **Dimensions and Weight:** 176x112x39mm; (6-15/16"x4-7/16"x1-1/2"); 580g (1 lb 4 oz.) (including batteries)

SELLING POINTS



● — Battery Check Lamp



Macro Indication

Underexposure Mark

Film Transport Indicator

1 The World's Fastest (f/1.0) Zoom Lens

The Canon 310XL features the fastest lens of any 8mm movie camera. This lens has been designed for greater compactness and smoother operation than any other lenses of the same class. Its newly designed lens construction of 13 elements in 11 groups obtains sharp picture images without flare, and excellent color balance at full aperture.

2 Large Shutter Opening

The Canon 310XL boasts the exceptionally large shutter opening angle of 220°—another XL feature in this new and sophisticated optical system. The resultant exposure is effectively 1/30 of a second. This shutter opening arrangement is in all respects adequate for general filming and for filming from video sources, especially under low-light conditions.

3 Slim, Compact Design

Despite the incredible abundance of high performance features that the Canon 310XL contains, its size and design remains slim and small. This compactness starts with the lens barrel design of the f/1.0 3X zoom lens having an outside diameter of just 47mm. Further compactness is afforded by locating its power source, two 1.5V penlight batteries, in the upper part of the film magazine compartment.

4 CCA Filter Switch

The Canon 310XL incorporates a feature to automatically cancel the CCA filter from the light path upon insertion of a daylight-type cartridge. A special pin within the magazine compartment detects the use of daylight film and activates removal of the filter. Manual cancellation of the CCA filter is also possible by simply sliding the knob located on the side of the camera body.

5 Macrophotography Mechanism

The macrophotography mechanism which is incorporated into the 310XL enables one to shoot close-up photography without attachment of any other accessories. This is especially convenient for titling purposes, since it can focus at a point 21.5cm from the film plane indicator by a simple adjustment of the macro set lever. The wrist strap serves as a measure of this distance for macrophotography when it is pulled forward tautly.

6 3X Power Zoom

The Canon 310XL offers the options of either power or manual zoom. Zooming is very effective for trimming the composition and transitions from one point of view to another. It enables the cinematographer to follow his subject easily. The power zoom is operable only while the shutter is being released. While power zooming produces a continuous effect, manual zooming permits zooming at different speeds.

7 Exposure Control Plate

This feature is designed to be used with the Canon Filter ND-4 when shooting with ASA 160 film. It is also very effective for shooting strongly back-lighted subjects.

8 Bright Viewfinder

Since the 310XL uses a total reflection spot mirror and the exit pupil of the viewfinder is large, the image is always very bright. Furthermore, the viewfinder information that is needed for sure and precise movie making, such as battery check lamp, macro-indication, underexposure warning mark and film transport indicator, are contained in the viewfinder.

NOMENCLATURE



ACCESSORIES

| CODE NO. | DESCRIPTION |
|--------------|-------------------|
| 5-39111-00 | Chest Pod |
| 5-63061-00 | Release 30 |
| 5-63062-00 | Release 50 |
| 4-20601-20 | Copystand 4 |
| 4-60981-00 | Soft Case |
| 33-8622 | Lens Cap 45mm |
| C41-5507-211 | PS-1000 Projector |

PLEASE NOTE: For further information on Canon Super-8 accessories, please refer to the last page in this section.