

CODE NO. ITEM
 C33-0821-221 Canon 814XL Electronic w/lens
 7.5-60mm f/1.4, Remote Switch
 60 and Soft Case

Canon 814XL ELECTRONIC

Zoom into Exciting XL Movies.



Specifications

Type: Super 8 SLR for silent XL filming with circuit and jack for double sound (pulse-sync) system shooting.

Picture Size: 4 x 5.4mm

Lens: 7.5-60mm f/1.4 with 8:1 zoom ratio; inner diameter 58mm, cap size 60mm; Spectra Coating; 18 elements in 13 groups; built-in macrophotography mechanism; built-in collapsible rubber lens hood.

Macro Shooting System: Macrophotography is possible using zooming lever in wide angle end of zooming range. Closest possible shooting distance of 166mm from film plane mark and smallest field of view of 33 x 45mm.

Viewfinder: Single-lens reflex type, combined with split-image type rangefinder

Viewfinder Information: Includes aperture scale, under-/over-exposure warning marks; film transport indicator and film end warning lamp.

Dioptric Adjustment: -4 to +2 diopters for individual eyesight.

Focusing Adjustment: By turning the front part of the lens barrel.

Distance Scale: ft 4 5 7 10 15 50
 m 1.2 1.5 2 3.3 5 10 ∞

Zooming: Power zooming by independent motor and covers the 8:1 zooming range in about 5 seconds. Manual zooming is also possible.

EE Mechanism: Automatic exposure mechanism coupled to film speed and filming speed; through-the-lens EE with CdS photocell.

Exposure Compensation: Two possible backlight compensations of +0.5 and +1.5 F stops. (These numbers are amount of F stops and not multiple exposure factors.)

Manual Exposure Control: Full manual override is possible by using the EE-manual knob.

Light Measuring Range: From ASA 400, f/1.4, $\frac{1}{125}$ (220°), 9 fps to ASA 25, f/45 $\frac{1}{125}$ (150°), instant SLOW MOTION of approx. 36 fps; coupled to single frame shooting.

Film Speed: Automatically set by inserting film cartridge;

Artificial Light Type: ASA 25, 40, 64, 100, 160, 250, 400

Daylight Type: ASA 16, 25, 40, 64, 100, 160, 250

CCA Filter: Color Conversion A (CCA) filter built-in for using artificial light type film in daylight; cancelled by inserting daylight type film cartridge or by attaching a lighting unit; manual cancellation is also possible by using a

1/4" screw.

Filming Speed: Dial positions for 9, 18 fps, and single frame. Separate knob for instant SLOW MOTION (approx. 36 fps).

Angle of Shutter Opening: 220° (effective angle) for XL filming and 150° for regular filming and these two angles are provided with a safety lock and click stop.

Shutter Angle Compensation: Automatic exposure adjustment at 220° and 150°

Variable Shutter Control: 150° to 0° continuously by turning downward the fading control tensioned with spring. Prompt return to 150° with the release of your hand or fade-in by turning upward the control ring with deliberate speed.

Power System: Four 1.5V penlight (AA) batteries power film drive system, power zooming, and exposure metering.

Running Ability: Under normal temperatures, more than 10 cartridges at 18 fps.

Battery Check: Red LED at the rear of the footage counter lights up to confirm battery power when the battery check button is pressed.

Footage Counter: Automatically returns to "0" when cartridge is removed, counts footage of exposed film.

Frame Counter: Provided next to the footage counter and set by turning a knob. Counts up to 72 frames.

Main Switch: Dial positions for "Off" "R" (Running), and "RL" (Running Lock) on the main switch.

Remote Control: Jack is provided for using the camera with a remote control switch.

Flash Synchronization: Possible at both 220° and 150° shutter angle positions.

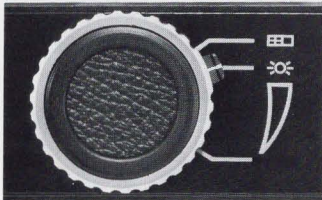
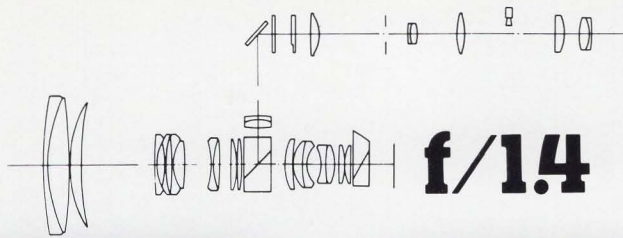
Grip: Collapsible with built-in battery compartment.

Recording System: Double sound system for joint use with stereo tape recorders which can manage tape with a pulse track section, adaptable to a pulse-sync system of a pulse every four frame (DIN method). Designated tape recorders to be used for particular connecting cords and adapters. 8-pin DIN jack on the side of the camera body for sync connection.

Dimensions and Weight: 235L (9 1/4") x 118H (4 5/8") x 92.5mmW (3 5/8") when grip and hood folded in. 1,520g (3 lb, 6 oz.) with batteries.

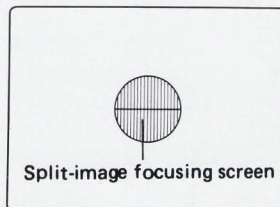
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SELLING POINTS

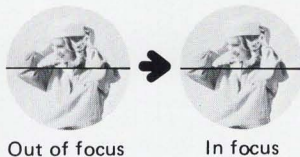


Fade-out
Fade-in

Underexposure warning mark — Aperture scale



Split-image focusing screen



Out of focus

In focus

Film transport indicator

Film end warning indicator



An 8X Zoom Lens for Sharp Images and Color

The optical system of the 814XL-E is one of the camera's best features. An exceptionally fast f/1.4 zoom lens with an 8.1 zooming ratio its focal length can be changed from 7.5mm to 60mm. Having 18 elements in 13 groups with Spectra Coating, it totally eliminates aberrations and provides high resolution and contrast for sharp, vivid images and color reproduction over the entire picture area. Zooming is equally easy either automatically or manually simply by depressing the telephoto or wide-angle zooming switches or by rotating the manual zooming ring.

Macro-cinematography

To broaden the filming possibilities of the 814XL-E even further macro-cinematography can also be performed. To change from normal photography just pull out the macro setting knob and rotate the zooming ring to the MACRO indication on the wide-angle end of the zooming scale. You can then shoot at 166mm from the film plane mark up to normal shooting distance for dramatic effect. The minimum picture area will become 33 x 45mm.

XL Filming to Beat the Dark

Along with a very sensitive metering system coupled to the film speed plus the above mentioned bright f/1.4 lens, the 814XL-E also has a variable shutter opening control to enable XL (existing light) filming to insure properly exposed movies regardless of whether they are shot indoors or out, in sunny or cloudy weather or at night.

Changeable Shutter Opening for Any Light

The variable shutter control dial enables the shutter opening angle to be changed according to the light available. The setting will give an exceptionally wide 220° shutter opening angle for XL shooting at night or indoors. For daylight shooting outdoors, the setting will open the shutter leaves to an angle of 150°. Another of the great advantages of the variable shutter control dial is the capability to change the shutter opening angle continuously from 150° to 0° for fade-in/fade-out effects. And as a safety measure not to unintentionally resume shooting at the closed position of the shutter angle once you have stopped running the camera, variable shutter control ring springs back to the regular position at the release of your hand.

A Bright, Easy-to-Read Viewfinder

The viewfinder of the 814XL-E is a single-lens reflex type employing a split-image focusing screen for easy and accurate focusing. Its exceptional brightness allows the aperture scale, over/under exposure warning marks, film transport indicator and film end warning indicator in a word, total filming information, to be seen at one glance.

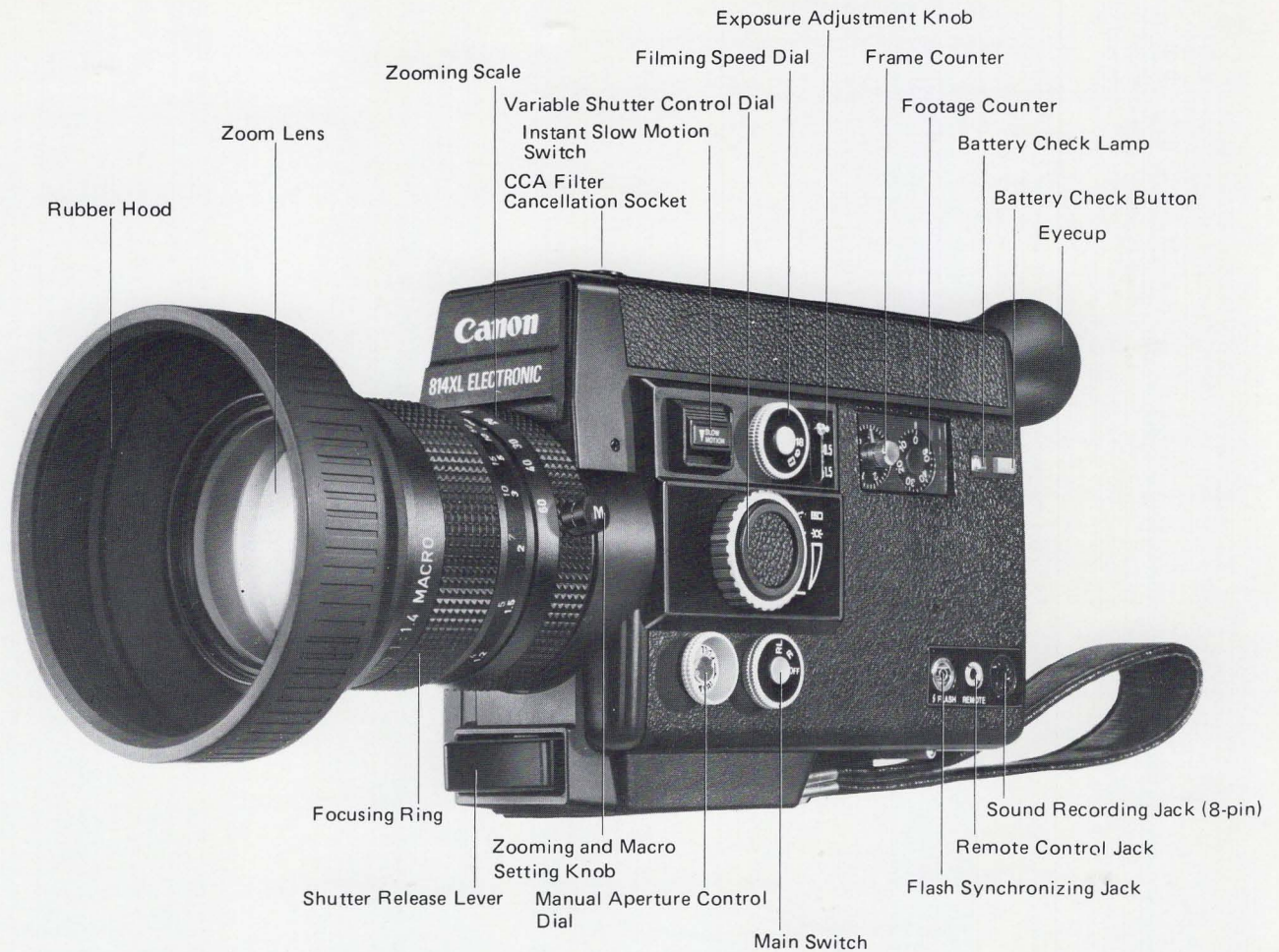
An Embracing Double Sound System

By using an equipment such as Philips 2209AV tape recorder and its complementary accessories, pulse-sync system of a pulse every four frame is possible. For further information about synchronization, please contact Canon USA's Technical Department.

Unsurpassable Ease of Handling

Due to its compact design, the 814XL-E is unbelievably easy to handle. Because of the 814XL-E's convenient fold-up grip, the camera can be carried from place to place and never feel as an encumbrance. Furthermore, most of the camera's controls being located on the same side, no time will ever be lost searching for the proper button or switch.

NOMENCLATURE



ACCESSORIES

CODE NO.	DESCRIPTION
5-43233-00	C-8 Close Up Lens 58mm 450
5-43242-00	C-8 Close Up Lens 58mm 240
5-39241-00	Self Timer E
5-39211-00	Interval Timer E
5-22041-01	Remote Switch 3
5-22051-00	Remote Switch 60
5-39111-00	Chest Pod
4-20601-20	Copy Stand 4
33-7553	Finder Cover 5
33-8621	Socket Cover for Filter Cancellation Adaptor for 814XL-E
33-8804	Filter Cancellation Adaptor for 814XL-E
5-81071-00	Extension Cord E1000
C46-0835-011	Soft Case for 814XL-E
49-1002	Lens Cap 60mm (metal) for 814XL-E
5-61151-00	Neck Strap 8 with pad
C41-5507-211	PS-1000 Cine Projector