

## Voluntary Product Accessibility Template (VPAT)

**Name of Product: CANON High Definition Camcorder (XL H1A)**

Date: December 10, 2008

Note: This document was prepared based on normal walk-up functionality. It does not include maintenance and troubleshooting procedures. **The information contained in this document is proprietary information and is not for reproduction, publication or manipulation in any way or form.** This template addresses a multitude of **CANON High Definition Camcorder (XL H1A)** features; however, any specific inquiries should be made to Aubrey Woolley of the Government Marketing Division at (703) 807-3400.

The rules below refer to the Electronic and Information Technology Accessibility Standards (covered by Section 508 of the Rehabilitation Act of 1998) issued by the Architectural and Transportation Compliance Board. Comments in the "Supporting Features" column are based on the Information Technology Industry Council's suggested language for use when filling out the Voluntary Product Accessibility Template. The Remarks and Explanations column provides additional information on the evaluation results, and explains the standard functions of the **CANON High Definition Camcorder (XL H1A)** that can accommodate users with disabilities.

**Summary Table**  
**Voluntary Product Accessibility Template**

Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Supports with exceptions*	Not a Software Application or Operating System
Section 1194.22 Web-based Internet Information and Applications	Not Applicable	Not Web-based Internet Information or Application
Section 1194.23 Telecommunications Products	Not Applicable	Not a Telecommunications Product
Section 1194.24 Video and Multi-media Products	Not Applicable	Not a Video/ Multi-media Product
Section 1194.25 Self-Contained, Closed Products	Supports with exceptions*	
Section 1194.26 Desktop and Portable Computer	Not Applicable	Not a Desktop/Portable Computer
Section 1194.31 Functional Performance Criteria	Supports with exceptions*	
Section 1194.41 Information, Documentation, and Support	Supports with exceptions*	

\*Please refer to the following pages for detailed information on supporting features and exceptions.

**Section 1194.25 Self-Contained, Closed Products**

Criteria	Supporting Features	Remarks and explanations
(a) Self contained products shall be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.	Supports with exceptions	There are features that could be improved to increase usability for users with visual and mobility impairments. (See Remarks and Explanations in Section 1191.31.) Because some degree of user vision is assumed as a precondition in the design of digital video camcorders, the “fundamental alteration exception applies” for some design elements.
(b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Not Applicable	
(c) Where a product utilizes touch screens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).		Refer to details in subsections k-1 through k-4 below.
(1194.23k-1) Products, which have mechanically operated controls or keys, shall comply with the following: Controls and keys shall be tactilely discernible without activating the controls or keys.	Supports	All the controls/keys on the product are tactilely discernible without activating them with a force less than 30g.
(1194.23k-2) Controls and keys shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2 N) maximum.	Supports with exceptions	Almost all the controls and keys meet the requirement. However, for some controls and keys, it is hard to install or operate with one hand. <ul style="list-style-type: none"> <li>- Viewfinder Unit</li> <li>- Microphone Unit</li> <li>- Lens Hood</li> <li>- GAIN dial</li> <li>- WHITE BALANCE dial</li> <li>- Eye cup</li> <li>- ZOOM SPEED switch</li> </ul>
(1194.23k-3) If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key-repeat rate shall be adjustable to 2 seconds per character.	Supports with exceptions	The key-repeat is used with the zoom lever, but turning the ZOOM SPEED switch toward SLOW can slow the zoom speed. Exceptions: <ul style="list-style-type: none"> <li>- Zoom buttons on wireless controller</li> <li>- SHUTTER speed adjustment buttons</li> <li>- CARD +/- buttons to move between still images</li> </ul>
(1194.23k-4) The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.	Supports with exceptions	To perform basic operations, the status of many locking/toggle controls and keys are discernible through vision and touch or sound. The POWER dial, Cassette compartment cover and its switch, and the Start/Stop Button are examples of those that can be discerned through sound. However, in some cases, the status after selecting

		images at playback or menu items is not discernible through touch or sound.
(d) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided.	Not Applicable	
(e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.	Not Applicable	
(f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to the default level after every use.	Not Applicable	
(g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Supports with an exception	When using color-coding, the lightness between colors is provided to convey information. Exception: During still image recording, the auto focus locked icon changes from white to green or yellow based on the focus adjustment status.
(h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided.	Not Applicable	
(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Supports with an exception	In almost all cases, the screen flicker frequency meets the requirement. Exception: When setting white balance, the white balance icon flashes. This frequency is greater than 2Hz.
(j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which	Not Applicable	

<p>are freestanding, non-portable, and intended to be used in one location and which have operable controls.</p> <p>(j) (2) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor.</p> <p>(j)(3) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.</p> <p>(j)(4) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.</p>		
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**Section 1194.31 Functional Performance Criteria**

Criteria	Supporting Features	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Not Applicable - Fundamental Alteration Exception Applies	The purpose of this product (which is to take visual images) requires some degree of user vision. Therefore, the "Fundamental Alteration Exception" applies to this criterion.
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supports	Visual acuity greater than 20/70 is generally not required for use of this product.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided.	Supports	User hearing is generally not required for use of this product.
(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.	Not Applicable	
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Supports	User speech is generally not required to operate this product.
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Supports with exceptions	<p>To perform basic operations (loading tapes, pressing start/stop button, playback images, etc.), this product is operable with limited reach and strength. However, simultaneous action is required in some cases when installing components,</p> <p>Examples:</p> <ul style="list-style-type: none"> <li>- Attaching/removing the battery pack</li> <li>- Attaching/removing the DC coupler</li> <li>- Opening the Eyepiece Adapter</li> <li>- Removing/replacing the lens cap</li> <li>- Turning the power dial</li> <li>- Turning the ND filter</li> <li>- Connecting Component Video Cable</li> </ul> <p>In addition, users who have limited use of their upper body may experience other difficulties. (See Remarks and Explanations in Section 1194.25 (c) k-2 and (c) k-3 for</p>

		more detailed information.)
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**Section 1194.41 Information, Documentation, and Support**

Criteria	Supporting Features	Remarks and explanations
(a) Product support documentation available to end-users is available in alternate formats upon request, at no additional charge.	Supports.	Product support documentation will be provided upon request in electronic format, at no additional charge.
(b) End-users have access to a description of the accessibility and compatibility features of products in alternate formats and alternate methods upon request, at no additional charge.	Supports with exception.	An evaluation of the accessibility features of products will be provided upon request in electronic format, at no additional charge.
c) Support services for products accommodate the communication needs of end-users with disabilities.	Supports.	Canon U.S.A., Inc. provides support services accommodating users with disabilities through OKCANON assistance, TTY support at (866) 251-3752. Canon otherwise available to U.S. federal government agencies through Federal Relay.

This document is for informational purposes only. This information is based on Canon's current understanding of 36 CFR Part 1194 Electronic and Information Technology Accessibility Standard and Section 508 of the Rehabilitation Act. It is not intended address applicability of these laws to a particular end-user, customer, application or procurement.

All product design and specifications are subject to change. Some of the information may be based upon data collected or tests conducted on similar product modules.

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