

Request #: HUTRR49
Title: New Usage IDs for Camera Controls
Spec Release: 1.12
Received: 17 Oct 2014
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CurrentStatus: Review
Priority: Normal
Submitted: 22 Oct 2014
Voting Starts: 7 Nov 2014
Voting Ends: 14 Nov 2014
Required Voter: Microsoft
Required Voter: Intel
Required Voter: Qualcomm

Summary:

Proposing new HID usage IDs for Camera controls.

Background:

Camera auto-focus and shutter controls can be implemented over HID. Standardization of these controls using HID usages will enable a uniform implementation and experience across a broad range of devices and provide the industry with implementation guidance.

Proposal:

Add the following new section.

20 Camera Control Usage (0X90)

This page provides usage definitions for camera controls.

Table 23 Camera Control Page

Usage ID	Usage Name	Usage Type
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00	Undefined	
01-1F	Reserved	
20	Camera Auto-focus	OSC
21	Camera Shutter	OSC

Add a new section referenced by the above usages:

Section 20.1 Camera Controls

Camera Auto-Focus OSC - Activate the camera auto-focus.
Camera Shutter OSC - Capture a still picture or start/stop video recording.

Sample Report Descriptor:

COLLECTION (Application) A1 01
 USAGE_PAGE (Camera Control) 05 90

USAGE_MINIMUM (Camera Auto-Focus)	19 20
USAGE_MAXIMUM (Camera Shutter)	29 21
LOGICAL_MINIMUM (0)	15 00
LOGICAL_MAXIMUM (1)	25 01
REPORT_SIZE (1)	75 01
REPORT_COUNT (2)	95 02
INPUT (Data,Var,Abs)	81 02
REPORT_SIZE (6)	75 06
REPORT_COUNT (1)	95 01
INPUT (Cnst,Ary,Abs)	81 01
END_COLLECTION	C0

Response:

<Added by HID Chair upon closing the Request>

Notes on Approval Procedure:

HID WG On Line Voting Procedures

1. Votes are on a per company basis.
2. Each Review Request shall have attached a Required Voter List that is the result of recruiting by the HID Chair and submitter of members of the USB IF. Required Voter List must include the HID Chair plus 2 companies (other than the submitter) plus any others designated by the HID Chair at the Chair's discretion. The Required Voter List ensures that a quorum is available to approve the Request.
3. Impose a 7-calendar-day posting time limit for new Review Requests. HID Chair or designate must post the RR within 7 calendar days. HID Chair or designate must work with the submitter to make sure the request is valid prior to posting. Valid review request must include all fields marked as required in the template. A new template will be adopted that requires at least the following fields: Change Text, Required Voter List, Review Period End Date and Voting End Date, Submittal Date, Submitter, Review Request Title and RR Number.
4. If a RR approval process stalls, the HID Chair may call a face-to-face meeting or conference call to decide the issue. Submitter may request that this take place.
5. Impose a minimum 15-calendar-day review period on a posted RR prior to the voting period. At HID Chair discretion, changes to the RR may require this review period to restart.
6. The Chair will accept votes via documentable means such as mail or e-mail during the 7 calendar days after the close of the review period. If a Required Voter does not vote during the period, then there is no quorum and the Chair may pursue the absent required voter and extend the voting period. The Chair may designate a substitute for the absent voter and extend the voting period if necessary.