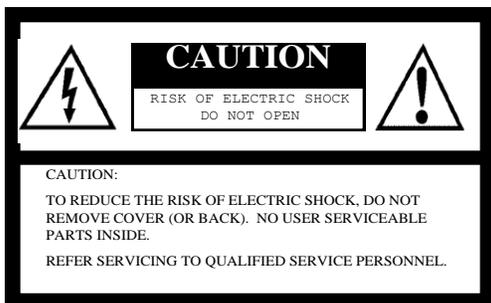




**STC-HD133DV  
OSD Remote Control  
User Guide**

**Operating and Programming  
the OSD Remote Control Device**

## Safety Precautions



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For U.S.A.

Warning:

This equipment generates and uses radio frequency energy and if not installed and used properly, I.e., in strict accordance with the instruction manual, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment.

For Canada

Warning:

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

## Product Precautions

- Handle the camera with care. Do not abuse the camera. Avoid striking or shaking it. Improper handling or storage could damage the camera.
- Do not pull or damage the camera cable.
- During camera use, do not wrap the unit in any material. This will cause the internal temperature of the unit to increase.
- Do not expose the camera to moisture, or do not try to operate it in wet areas.
- Do not operate the camera beyond its temperature, humidity and power source ratings.
- While the camera is not being used, keep the lens or lens cap on the camera to prevent dust or contamination from getting in the CCD or filter area and scratching or damaging this area.
- Do not keep the camera under the following conditions:
  - In wet, moist, and high humidity areas
  - Under hot direct sunlight
  - In high temperature areas
  - Near an object that releases a strong magnetic or electric field
  - Areas with strong vibrations
- Use a soft cloth to clean the camera. Use pressured air spray to clean the surface of the glass. DO not scratch the surface of the glass.

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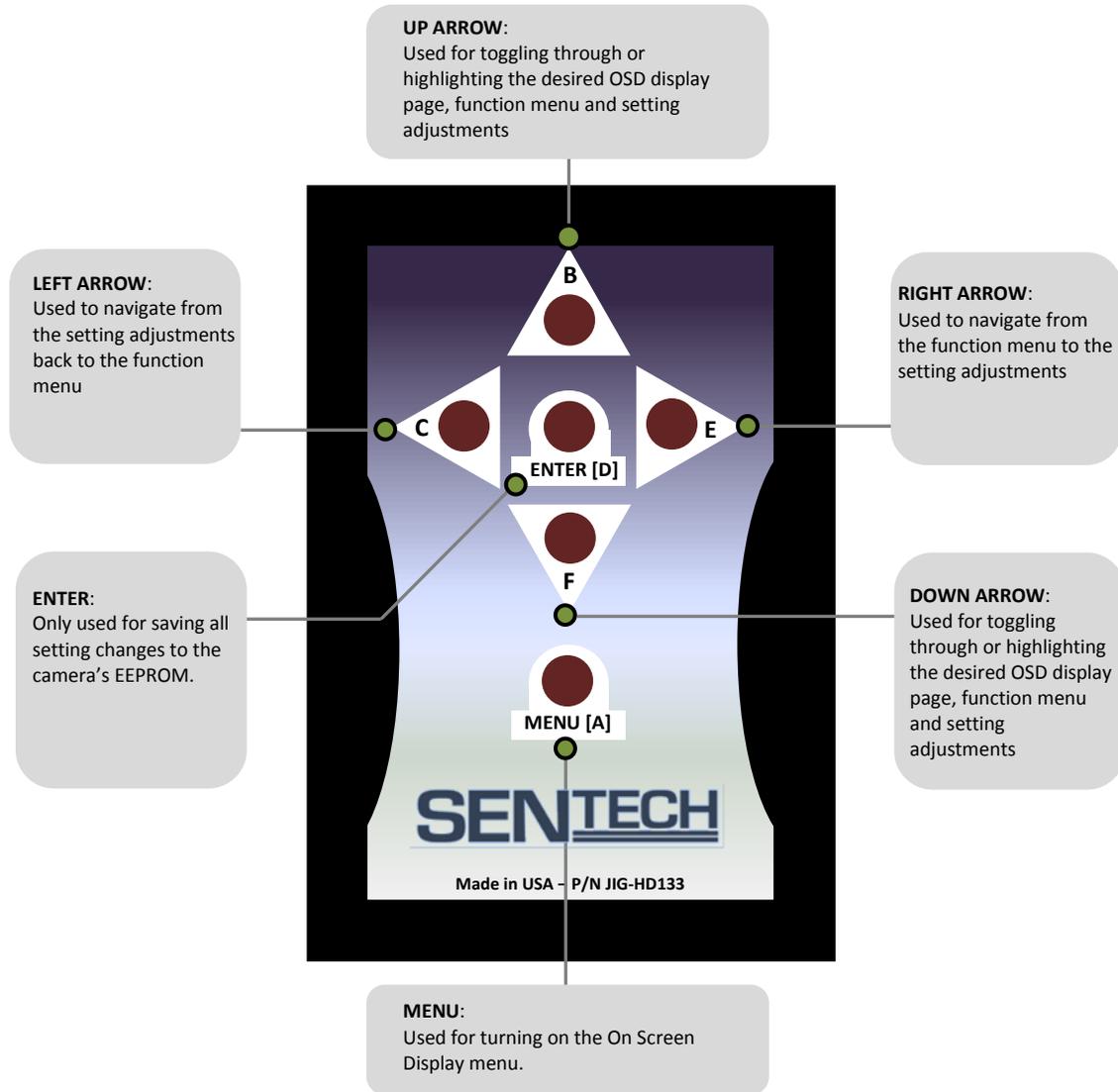
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## I. Keypad Layout and Button Functions

The following is a diagram of the STC-HD133 OSD Menu Remote Control:



## II. Operating the OSD Menu Remote Control *(Default Settings)*

First plug the pin jack of the remote control into the STC-HD133 camera to begin using the OSD Remote Control. Press the **MENU [A]** button to initiate the OSD (On Screen Display) menu.

Press the **UP [B]** or **DOWN [F]** button to toggle through the function menu and the page numbers.

**NOTE:** In order to change page numbers, the user must toggle through the entire function menu until the appropriate page number is attained.

To adjust a function setting, highlight the function that is to be changed. Press the **RIGHT ARROW [E]** button to highlight the existing function setting. Then press the **UP [B]** or **DOWN [F]** button to toggle through the available setting options for the function. Once the desired setting adjustment is highlighted, simply push the **LEFT ARROW [C]** button to return to the function menu. **NOTE:** It is not necessary to press the **ENTER [D]** button to save the settings adjustment.

When all of the desired setting adjustments are made, toggle to Page 5 of the OSD menu. At the EEPROM function press the **RIGHT ARROW [E]** button to highlight SAVE. Push the **ENTER [D]** button and a prompt will appear on the screen. If you want to save all the setting changes to the EEPROM of the camera press the **ENTER [D]** button again. If you are not ready to save all of the setting changes to the EEPROM press the **LEFT ARROW [C]** button to return to the function menu.

### III. Function Menu & Settings Chart

The following chart presents all of the selectable functions and the correlating selectable setting adjustments for each function. For further details on the function menu and the setting please refer to the STC-HD133 Control Manual.

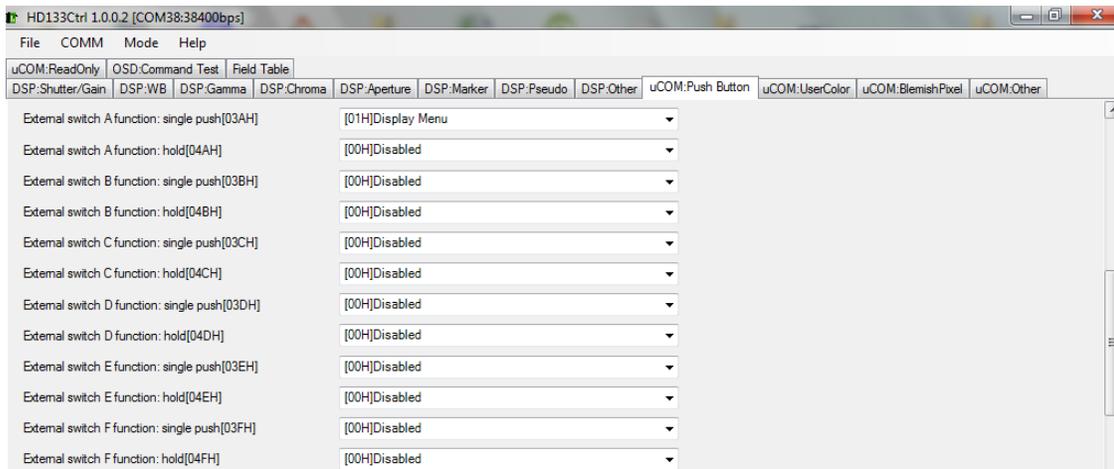
DISPLAY PAGE	FUNCTION MENU	SETTING ADJUSTMENT	RANGE
1	ALC	• ON	
		• OFF	
	GAIN	• AUTO	000-255
		• FIXED	000-511
	SHUTTER	• AUTO	000-255
		• FIXED	000-690
	GAMMA	• PRESET (default)	
		• .30	
		• .45	
		• .50	
		• .60	
		• .70	
		• .80	
		• .90	
	• 1.0		
	OFFSET		000-127
CONTRAST		000-128 (default 128) <i>(the range limit can be adjusted via the HD133Ctrl software to a maximum of 255)</i>	
SHARPNESS	• H	0-15	
	• V	0-15	
	• Coring	0-63	
MIRROR	• ON		
	• OFF		
2	WB	• MANUAL	R 000-1023 G 000-1023 B 000-1023
3	GRAPHICS	• ON	
		• OFF	
	LINE	• ON	H POS: 000-720 SIZE: 000-720 COLOR: Black, White, Red, Green, Blue, Cyan V POS: 000-1280 SIZE: 000-1280 COLOR: Black, White, Red, Green, Blue, Cyan
	SHADOW	• ON	GRADE: 000-255 H T: 000-719 H B: 000-720 V L: 0000-1279 V R: 0000-1280
• OFF			
4	FPS	• 50	
		• 59.94	
		• 60	
	OSD SIZE	• LARGE	
		• SMALL	
	PROFILE	• PRESET	00-27
	PATTERNS (COLOR BAR)	• OFF	
		• GRAY	
• COLOR			
• GRAY + COLOR			
5	EEPROM	• SAVE	

## IV. Programming the Sentech OSD Remote Control

### A. Assigning Camera Functions to the Buttons

In conjunction with the HD133Ctrl software, the Sentech HD133 Remote Control is designed to allow users to assign and control up to 12 total camera functions with the remote.

In order to assign the camera functions to the remote control the user must open the HD133Ctrl software. At the top of the **uCOM: Push Button** tab, the user can find the **single push** and **hold** option for External switch A through F. Therefore, every button on the remote control has a 2 function programming availability, thus making a total of 12 programmable functions.



To assign camera functions to the External switch (buttons A-F), simply select the desired function in the adjacent scroll-down menu of the appropriate External switch.

Once all of the desired function assignments are made click the **uCOM→EEPROM** button at the bottom of the page. This will override the existing settings on the camera's EEPROM with the new settings.

**IMPORTANT:** When the setting changes are saved to the EEPROM, it is then necessary to turn the camera off and back on to begin using the new settings saved to the EEPROM.

## B. Assigning OSD Menu Navigation Functions to the Buttons

In conjunction with the HD133Ctrl software, the Sentech HD133 Remote Control is also designed to allow users to self-assign the keypad's navigation functions for the OSD menu.

In order to assign the keypad navigation functions the user must first open the HD133Ctrl software.

In the second section of the **uCOM: Push Button** tab, users can change the following navigation functions:

- Menu: page decrement  
*NOTE: use only when an additional user-made board switch is connected to the camera or with the primary switch function (WB button). Failing to do so will cause one of the six standard navigation functions (up, down, left, right, turn-off, enter) to not have an assignment on the OSD remote control keypad.*
- Menu: page increment  
*NOTE: use only when an additional user-made board switch is connected to the camera or with the primary switch function (WB button). Failing to do so will cause one of the six standard navigation functions (up, down, left, right, turn-off, enter) to not have an assignment on the OSD remote control keypad.*
- Menu: down
- Menu: up
- Menu: right
- Menu: left
- Menu: turn off
- Menu: enter

To assign the OSD navigation functions to the keypad buttons click the adjacent scroll-down menu of the appropriate navigation function. Then click on one of the following selections in the scroll down menu:

Software Display	Remote Control Button
[OAH]A	: Button A
[OBH]B	: Button B
[OCH]C	: Button C
[ODH]D	: Button D
[OEH]E	: Button E
[OFH]F	: Button F

Assignments SW11 through SW33 do not apply to the Sentech OSD remote control. SW11-SW33 assignments only apply for a user designed and built board-level remote. For further details on the board-level remote please refer to the STC-HD133 spec sheet.

Once all of the desired navigation assignments are made click the **uCOM→EEPROM** button at the bottom of the page. This will override the existing settings on the camera's EEPROM with the new settings.

**IMPORTANT:** When the navigation function setting changes are saved to the EEPROM, it is then necessary to turn the camera off and back on to begin using the new settings saved to the EEPROM.

Revision

Rev.	Date	Changes	Notes
1.0	12/9/2011	New Document	

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