



FEATURES

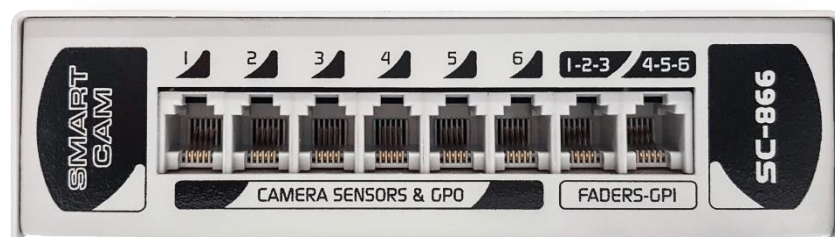
- 6 logic level inputs (for console's mic module status)
- 2 auxiliary logic level inputs
- 6 audio level meter inputs
- 6 logic level tally outputs or auxiliary GPOs
- USB bus powered
- Professional shielded metallic case
- Plug-and-Play Windows drivers
- Protected inputs and outputs

DESCRIPTION

SmartCAM is an interface that allows HDVMixer to switch studio cameras based on studio microphones audio levels. Microphone audio is routed into SmartCAM-866 interface for audio level metering. HDVMixer can automate video sources switching based not only on console's microphone module status, but also on signal level at each particular microphone in the studio. Using both logic and audio level triggering improves visual content dynamics while avoiding the need for manual camera switching.

SmartCAM-866 analog audio meter inputs require an unbalanced pre-amp output microphone signal. Maximum input level is 0dBu for a 0dB level display in HDVMixer's SmartCAM pane. Upon request SmartCAM-866 can be ordered with microphone level input to connect independent miniature microphones next to each of the studio's microphones. This approach could be used when no pre-amp outputs or insert Out hook-ups are provided by the console's manufacturer.

SmartCAM-866
Front Panel



SmartCAM-866
Back Panel



SPECIFICATIONS (subject to change without notice)

USB Voltage:	4.6 – 5.5 VDC
Current Consumption:	80 – 150 mA
USB Speed:	Full Speed
Analog Input Resolution:	10 bit
Analog Input Impedance:	4.7 kΩ
Analog Max Input Level:	0 dBu
Level Detector Range:	> 40 dB
Level Detector Threshold:	-40 dBu – 0 dBu
Digital Pull-up Resistance:	15 kΩ
Digital Low Voltage (Max):	0.9 VDC
Digital High Voltage (Min):	4.2 VDC

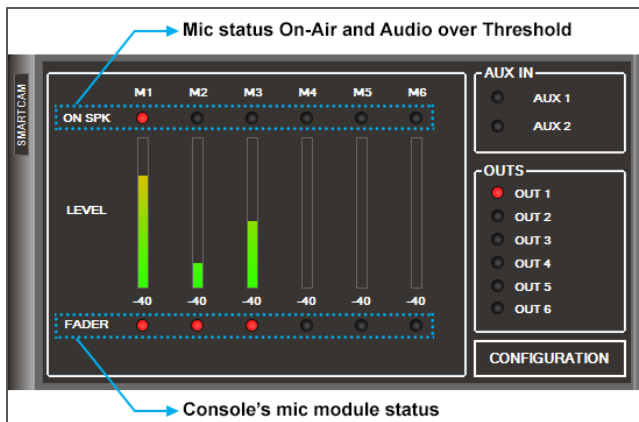
Digital Output Resistance:	300 Ω
Digital Output Current:	16 mA
Digital Output Voltage:	0 – 5 VDC
Input Protection:	± 15 VDC
Output Protection:	Short Circuit
Operating Temp.:	0 to +50 degrees C
Storage Temp.:	-40 to +70 degrees C
Humidity:	0-95% (no condensation)
Dimensions:	1.7"x5.3"x4" (HxWxD)
Weight:	1.5 lbs

APPLICATIONS INFORMATION

The INSOFT model SmartCAM-866 has been specifically designed to add audio triggering capabilities to HDVMixer in Visual Radio applications. Together with console mic module status, HDVMixer SmartCAM pane displays audio levels in real time for up to 6 studio microphones. Auxiliary logic inputs and outputs are also displayed.

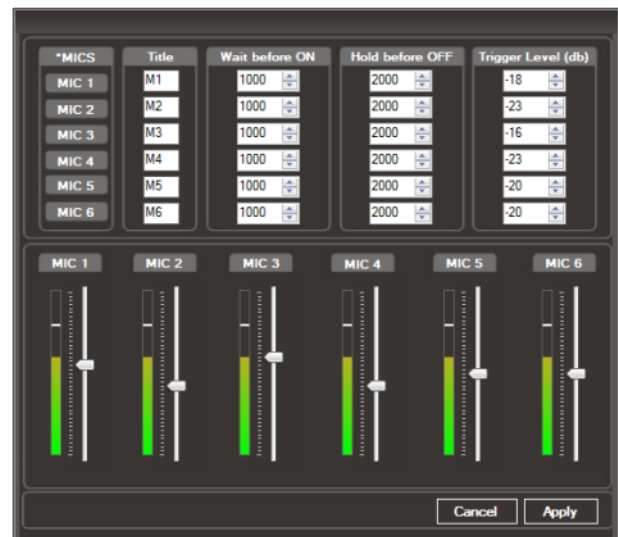
SmartCAM settings are independently set for each of the 6 channels. The configurable parameters are:

- Audio trigger threshold: audio level above which a signal is considered present.
- Wait before ON: the amount of time that audio level should be above threshold for SmartCAM to consider that someone is speaking at a specific mic.
- Hold before OFF: the amount of time that audio level should be below threshold for SmartCAM to consider that no one is speaking at a specific mic.



HDVMixer SmartCAM status pane.

HDVMixer's SmartCAM configuration window provides easy access to configuration and settings. Each input can be assigned a 3 character alias name for easy recognition together with operational settings.



HDVMixer SmartCAM configuration window.