

Specifications

Environment	HDMI 1.3
Devices	Computers, Game Consoles, TV Set Top Boxes and other HDMI sources
Transmission	Transparent to the user
Bandwidth	148 MHz
Signals	HDMI 1.3 protocol and HDCP 1.4
Connectors	Two (2) HDMI receptacles. One (1) USB Type A Connector.
<i>Cables not included.</i>	Two (2) 3.5mm jacks for Microphone and Headphone.
Supported HDMI Resolution	720x480p(60), 720x576p(50), 1280x720p(50), 1280x720p(60), 1920x1080i(50), 1920x1080i(60), 1920x1080p(24), 1920x1080p(25), 1920x1080p(30), 1920x1080p(50), 1920x1080p(60)
Recording Resolution	720x480p(60), 720x576p(50), 1280x720p(50), 1280x720p(60), 1920x1080i(50), 1920x1080i(60), 1920x1080p(24), 1920x1080p(25), 1920x1080p(30)
Audio Signal	Up to 16bit 48KHz dual channel (via HDMI input interface) and 3.5mm analog audio input
Recording Format	Video: MP4, Audio: AAC Stereo
Coding Format	H.264 (Video) and AAC (Audio)
Recording Quality	Highest: 16Mbps@ 1080p/30
Maximum Storage Capacity	USB Flash Drive (≤64G), Mobile Hard Disk (≤2TB)
Power Supply	One (1) 110-240V/12VDC power supplies
Temperature	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Metal
Dimensions	4.8" x 2.9" x 0.6" (12.20 x 7.37 x 1.5 cm)
Weight	0.6 lbs (0.27 kg)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	1 year
Order Information	100512 Video Capture & Recorder



Video Capture and Recorder (100512) Quick Installation Guide

Overview

The Video Capture and Recorder (100512) allows the user to record from HDMI video sources to a USB Flash Drive or Removable Hard Drive. High definition video recording does not require a computer and can be recorded from a variety of HDMI source equipment like Computers, Game Consoles, TV Set Top Boxes, and other sources.

The maximum input resolution supported is 1080p/60 and the maximum recording resolution is 1080p/30. The unit supports microphone mixing, recording and a headphone output.

Operation is as easy as placing the device between an HDMI source and an optional display and simply pressing a button to start recording.

Applications

Applications include home video recording, video game capture, security and traffic recording, education/classroom systems, and medical systems.

Installation

1. Identify the connectors on the product as indicated on the product labels.
2. Connect the source to the HDMI Input of the Recorder.
3. Connect the Display to the HDMI Output of the Recorder
4. Connect a microphone to the 3.5mm Microphone input of the recorder. The microphone audio will be mixed with the HDMI Audio.
5. Connect an Audio Headphone to the 3.5mm Headset output of the recorder.
6. Insert a USB Flash Drive or removable hard drive to the USB Connector of the Recorder. The recorder supports FAT32 and NTFS Formats. If the drive is



2321 Rue Cohen, Montreal, Quebec, Canada. H4R 2N7
 Tel: (514) 905-0588 Fax: (514) 905-0589
 Toll Free (North America): (877) 689-5228
 E-mail: info@muxlab.com URL: www.muxlab.com

formatted in FAT32 the video will be automatically split in 2GB file segments because of the limitation of FAT32. Formatting the drive in NTFS does not split the video file.

7. Power up the unit by connecting the Power Supply to the unit first and then to the AC wall outlet.
8. Quickly press the REC Button to select the recording resolution of 1080p or 720p.
9. Press and hold the REC Button for 3 seconds to start the recording. The recording is started when the bottom LED line scrolls from left to right.
10. To stop the recording, press and hold the REC button for 3 seconds. The recording is stopped when the bottom line flashes for 2 seconds.

Recording Resolution

Television 1080p		Television 720p	
Signal Sources Resolution	Record Resolution	Signal Sources Resolution	Record Resolution
1080p/i(60)	1080p(30)	1080p/i(60)	720p(60)
1080p/i(50)	1080p(25)	1080p/i(50)	720p(50)
1080p(59)	1080p(29.97)	1080p(59)	720p(59.94)
1080p/i(30)	1080p(30)	1080p/i(30)	720p(30)
1080p/i(25)	1080p(25)	1080p/i(25)	720p(25)
1080p(29)	1080p(29.97)	1080p(29)	720p(29.97)
1080p(24)	1080p(24)	1080p(24)	720p(24)
1080p(23)	1080p(23.98)	1080p(23)	720p(23.98)
1080i(29)	1080p(14.99)	1080i(29)	720p(29.97)
1680x1050x60 or 1600x1024x60 or 1600x900x60	1680x1050x30	1680x1050x60 or 1600x1024x60 or 1600x900x60	720p(60)
1400x900x60 or 1366x768x60 or 1360x765x60	1400x900x30	1400x900x60 or 1366x768x60 or 1360x765x60	720p(60)
1280x1024x60	1280x1024x30	1280x1024x60	720p(60)
1280x960x60 or 1280x800x60 or 1280x768x60 or 1152x864x60	1280x960x30	1280x960x60 or 1280x800x60 or 1280x768x60 or 1152x864x60	720p(60)
1280x720x60	720p(60)	1280x720x60	None
1280x720x59	720p(59.94)	1280x720x59	None
1280x720x50	720p(50)	1280x720x50	None
1152x674x60	720p(60)	1152x674x60	None
1024x768x60	720p(60)	1024x768x60	None



Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the Video Capture and Recorder:

Symptom	Probable Cause	Possible Solutions
No Image	No power	• Check power connections.
No Image	HDMI Cable	• Check the HDMI Cable.
No Image	Synchronization	• Check HDMI cable length.
Flickering Image	Synchronization	• Check HDMI cable length. • Check the HDMI Cable Quality.
Choppy sound	Synchronization	• Check HDMI cable length. • Check the HDMI Cable Quality.
Green or pink hue	DDC communication	• Power-cycle the HDMI Recorder.
Cannot record	Storage Problem	• Check that the storage is formatted as FAT32 or NTFS.
Cannot record	Storage Problem	• Check that the storage is not full.
Recorded Video not Working	Storage corrupted	• To avoid corrupting the USB Storage, unplug the power first before disconnecting or connecting the USB Storage.
Cannot record Computer Video and/or Audio	Computer configured in extended mode	• Choose video duplicate mode (Win+P) and for the audio select the recording unit for playback.
Microphone not heard	Microphone problem	• Check the microphone connection.

If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).