MAGEWELL

Ultra Stream HDMI Technical Specification

Specifications are based on current hardware, firmware and software revisions, and are subject to change without notice.

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Supported Mobile Client

- Android
  - Android 5.0 and above
- iOS
  - iOS 9.0 and above
- iPhone
  - iPhone 5s
  - iPhone SE
  - iPhone 6 / iPhone 6s / iPhone 6 Plus / iPhone 6s Plus
  - iPhone 7 / iPhone 7 Plus
  - iPhone 8 / iPhone 8 Plus
  - iPhone X
- iPod Touch
  - iPod Touch 5
  - iPod Touch 6

Input Interfaces

- HDMI
  - HDMI 1.4a
- 3.5mm audio jack
  - Microphone interface

Output Interfaces

- HDMI
  - HDMI loop-through
- USB
  - USB 2.0
- 3.5mm audio jack
  - Headphones interface

Network Interfaces

- Wired Ethernet
  - 10/100/1000Mbps Ethernet
- Wi-Fi
  - IEEE 802.11 a/b/g/n/ac

Bluetooth

- Bluetooth 4.0 BLE

HDMI Specific Features

- Support for up to 4096x2160 4:4:4/4:2:2 30fps or 4096x2160 4:2:0 60fps input and loopthrough signals
- Support for 8/10/12-bit color depths
- Support for 60p, 60i, 50p, 50i, 30p, 25p signal formats

Analog Audio Features

- Extraction of stereo embedded HDMI audio for recording and output via 3.5mm stereo mini-jack Line Out
- Recording and broadcasting analog audio via 3.5 mm microphone interface

Features Related to Recording to a USB Flash Drive

- Support for H.264 High Profile/AAC High Quality encoding
- Support for recording at the input signal resolution, up to 2048x1080
- Support for 1920x1080, 1600x1200, 1440x1080, 1440x900, 1280x1024, 1280x960, 1280x800, 1280x720, 1200x900, 1024x768, 960x540, 800x600, 768x576, 720x576, 720x480, 640x480, 640x360, 480x360 resolutions
- Support for 60fps, 50fps, 30fps, 25fps, 24fps, 15fps frame rates
- Support for recording as MP4 files
- USB Flash Drive file system format: FAT32, NTFS, exFAT, VFAT

Streaming Specific Features

- Support for live video streaming to software platforms using RTMP protocol, such as Flash Media Server, Wowza, Red5 and Nginx server
- Streaming to Twitch and YouTube platforms
- Support for streaming to 2 servers simultaneously

Record to a mobile Client Specific Features

- Support for recording signals up to 1280x720, 30fps
- Support for recording as MP4 files
- Support for taking screenshots during recording
- Save recording files and screenshots to system album
- Support for previewing input signal
- Support for recording on a timer: 15s, 30s, 1min, 2min, 5min

Remote Control Specific Features

- Support for remote control recording and broadcasting
- Support for checking device status
- Support for setting volume, network, recording and live streaming parameters
- Support for checking and safety update the firmware
- Support for the previous used firmware version reset
- Support for the main stream and sub stream encoding, and customizing their encoding formats
- Support for in-app online help

LED Indicator

- Indicate the state of the input signal, Ethernet Network, Wi-Fi, USB flash drive
- Indicate the working state of startup, recording, broadcasting, update

Form Factor

- 94.20mm x 94.20mm x 28.50mm

Accessories

- AC adaptor

Power Supply and Consumption

- Power port
  - 5V/2A

- Max power consumption: ~6.0 W

Working Environment

- Operating temperature: 0 to 40 deg C
- Storage temperature: –20 to 70 deg C
- Relative humidity: 5% to 90% non-condensing