

# REC200 Recorder and Encoder

## Recorder & Encoder with HDMI & SDI input

The Avonic REC200 is the ideal standalone USB/ SD Card recorder and web/streaming device. Users can simply connect an HDMI or SD/HD-SDI input and in a few simple steps they will be streaming and/or recording.

With support for UDP/HLS/RTMP/RTSP live output and USB/SD card recording the REC200 enables corporate streaming, live streaming to various platforms and live high bitrate full HD 1080P60 recording. A simple to use webinterface and IP control enable ease of use and full integration with 3rd party control systems.



## Features

The Avonic REC200 has the following features:

### Resolutions

High Definition input resolutions up to 1080p60.

### Streaming

Live streaming to various platforms including Facebook Live and YouTube.

### Coding and encoding

H.264, H.265 coding and encoding.

### Screen

Front panel screen with status, setup and control capabilities.

### Input

3G-SDI (level A) and HDMI inputs.

### Output

HDMI Out, USB storage, SD-card storage, RTSP via RJ45.

### Broadcasts

Live Meeting Broadcasts

### Overlay

Logo overlay

### Webinterface

Full ip control via webinterface

### FTP upload

Autonomous FTP uploading of finished recordings

## Applications

- Education
- Video Conferencing
- Broadcasting
- Live Events
- Churches
- Healthcare
- Courtroom
- And more

# SPECIFICATIONS

## Product

<b>Input</b>	1x HDMI, 1x 3G-SDI level A (only), 1x 3.5MM Audio Jack (1x RCA CC/CVBS, Not Active)
<b>Output</b>	1X HDMI LOOP OUT
<b>Output Formats</b>	1920x1080, 1680x1200, 1600x900, 1440x1050, 1440x900, 1360x768, 1280x1024, 1280x720, 1280x800, 1280x768, 1024x768, 1024x576, 960x540, 850x480, 800x600, 720x576, 720x540, 720x480, 720x404, 704x576, 640x480, 640x360, 480x270, AUTOMATIC 20~60FPS
<b>Input Formats</b>	Up To 1080P60
<b>Audio</b>	MPEG-1 LAYER II, AAC, AC3, EAC3 (DOLBY DIGITAL PLUS)
<b>Audio Input</b>	<i>Impedance: 600Ω</i> <i>Input Level: 9DBU. SNR</i> <i>(SIGNAL TO NOISE RATIO): 78</i> <i>Amplitude - Frequency Characteristics: 0.2</i> <i>Total Harmonic Distortion: 0.03%</i> <i>Level Difference Between L/R Channel: 0.2</i> <i>Phase Difference Between L/R Channel: 1.0</i>
<b>Video Bitrate</b>	0.6 ~ 12 MBPS
<b>Video Resolution</b>	1080x1920
<b>Video Frame Rate</b>	Max 60FPS
<b>Audio Bitrate</b>	32~384 KBPS

## Streaming output

<b>Protocols</b>	UDP, RTSP, RTMP, RTMPS, HLS
<b>Platforms</b>	Facebook Live, Youtube and other platforms supporting the protocols above
<b>Video Coding Standard</b>	H.264 BP/ MP/ HP - H.265 MP
<b>Max. resolution stream</b>	1920x1080P60

## Back of the camera



## Recording Output

<b>USB/SD file system</b>	FAT32, Max 4GB Filesize
<b>Video Coding Standard</b>	H.264 BP/ MP/ HP - H.265 MP
<b>Format</b>	*.TS, *.MOV, *.MP4

## General specifications

<b>Input voltage</b>	DC12V1A
<b>Power consumption</b>	9W
<b>Power supply</b>	12V1A
<b>Power connector</b>	EIAJ-3 - PHIMORE 275 PLUG
<b>Operating temperature</b>	10°C ~ 40°C
<b>Storage temperature</b>	-20°C ~ 60°C
<b>Operating humidity</b>	20% ~ 90% RH (NON-CONDENSATION)
<b>Color</b>	Black
<b>Dimensions product</b>	144 x118 x 38MM
<b>Weight product</b>	0.300 KG
<b>Dimensions box WxHxD (mm)</b>	245MM x 175MM x 62MM
<b>Weight box</b>	0.750 KG
<b>Included</b>	AV-REC200, AV-PSU200

## CE Marking

