DATASHEET AV-REC200

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 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
- Churces
- Video Conferencing
- Healtcare
- Broadcasting
- Courtroom
- Live Events
- And more

SPECIFICATIONS

Product

Input	1x HDMI, 1x 3G-SDI level A (only), 1x 3.5MM Audio Jack (1x RCA CC/CVBS, Not Active)
Output	1X HDMI LOOP OUT
Output Formats	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
Input Formats	Up To 1080P60
Audio	MPEG-1 LAYER II, AAC, AC3, EAC3 (DOLBY DIGITAL PLUS)
Audio Input	*Impedance:* 600Ω *Input Level:* 9DBU. SNR *(SIGNAL TO NOISE RATIO):* 78 *Amplitude - Frequency Characteristics:* 0.2 *Total Harmonic Distortion:* 0.03% *Level Difference Between L/R Channel:* 0.2 *Phase Difference Between L/R Channel:* 1.0
Video Bitrate	0.6 ~ 12 MBPS
Video Resolution	1080x1920
Video Frame Rate	Max 60FPS
Audio Bitrate	32~384 KBPS

Streaming output

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

Recording Output

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

General specifications

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

Back of the REC200

Markings