

miniCASTER®
Live Streaming as easy as a phone call

TECHNICAL SPECIFICATIONS



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Supported Features

Analog / SD Resolutions
SDI / HD Resolutions
HDMI® / HD Resolutions

Composite Video Input (RCA connector*)
S-Video Input (mini-DIN connector)
SDI Video Input w/ embedded Audio (BNC connector)

Analog Audio Input (RCA connector*)
Battery Li-Ion 2800 mAh – 10,3 Wh
Hardware De-Interlacer + Image Enhancer

* via break-out cable

Signal-Input Specifications Video Inputs:

Input type details
SD/HD/3G-SDI
0.8 VP-P, 75 Ohm (BNC, embedded audio support)
(SMPTE259M, SMPTE292M, SMPTE424M)

HDMI®
Type C, HCMI specification 1.1

Composite
1 VP-P, 75 Ohm

S-Video
1 VP-P (Y), 0.3 VP-P (C – Pal), 0.286 VP-P (C – NTSC), 75 Ohm

Video standards:

PAL, NTSC

SDI Video Resolutions:

1920x1080p 30/29.97/25Hz
1920x1080i 60/59.94/50Hz
1280x720p 60/59.94/50/30/29.97/25 Hz
720x576i 50Hz
720x480i 59.94 Hz
720x480i 59.94 Hz
640x480p 59.94 Hz

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HDMI Video Resolutions:

1920x1080p 60/59.94/30/29.97/25/24/23.97Hz
1920x1080i 60/59.94/50Hz
1280x720p 60/59.94/30/29.97/25/24/23.97Hz
720x576p 50Hz
720x576i 50Hz
720x480p 59.94 Hz
640x480p 59.94 Hz

Audio Inputs:

Input type details

Stereo unbalanced, AC coupled, Audio nominal level: -10 dBV (0,316Vrms),
Maximum level: 2 VP-P, Microphone nominal level: -60 dBV (1mVrms)
SDI embedded Audio 2CH
SMPTE 272M, SMPTE 299M

Encoding Specifications Video Encoding:

H.264 (MPEG-4 AVC Part 10; ISO/IEC 14496-10) Supported profiles: Baseline,
Main-, High-; supported levels: 1.- 4.1.

De-Interlacing:

HDMI-in + SDI-in models come with a intergrated De-Interlacer and image enhancer

Video Encoding Bitrates:

250Kb/s – 8 Mb/s, CBR, low latency enabled

Audio Encoding:

MPEG-4 AAC LC (ISO/IEC 14496-3)

Supported Sample Rates:

16/22.05/32/44/48 kHz (analog Audio) / 48kHz(SDI Audio, 16Bit Sample Rate, 16-128 kbit data rate

Stream Output:

MPEG2-Transportstream (ISO/IEC 13818-1) encapsulated in RTP (RFC 3550) including Audio (AAC)
and video (H.264) or RTMP with limitations in bandwidth (appr. 2 Mbit/s)

I/O Specifications Network:

10/100TX Ethernet, RJ45, half/full duplex, auto-sensing

Streaming Traffic:

Unicast and Multicast traffic supported

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USB:

1x USB 2.0 (on board Connector), High Speed, Type A socket

Management

Full monitoring, Updates and maintenance over web based repository service (<http://my.minicaster.com>)

Environmental Agency Approvals:

CE, FCC , RoHS

Humidity:

Up to 90%, non-condensing

Temperature:

0 to +35°C environment temperature, fanless

Weight:

260 grams (SD Analog), 360 grams (SD/HD SDI or HDMI)

Dimensions (H/W/D):

75mm x 125mm x 33mm

Power:

5V DC / 2.1 A (SD Analog – Micro USB), 8-24V DC / 2A (SD/HD SDI/HDMI – Molex locking connector)

