

DATASHEET

MiniBox

DCIWA384 UHD

(UHD – ITU-T/J.83A/B/C – WIFI – IP)



(Design subject to change)

SAGEMCOM

20160623

HARDWARE FEATURES

TRANSMISSION STANDARDS

MPEG-2, MPEG-4/H.264, HEVC
IP, ITU-T J.83A/B/C, Wi-Fi

CABLE FRONT END

CABLE RF INPUT

Input frequency range: 85-1002 MHz (6, 7, 8 MHz BW)
RF input level: -15 to +15 dBmV
RF Impedance 75 Ohm
Return loss : <-8dB
Noise figure : <8dB
Tuning step: 62.5 kHz

CABLE DEMODULATOR

Dual DVB-C Demodulator
ITU-T J.83 A/B/C Demodulator
Waveform QAM 16, 32, 64, 128, 256
Symbol rate 1 to 6.96 MS/s

DATA PORTS

1 x ETHERNET 10/100/1000
Fully integrated IEEE 802.3/802.3u
10/100/1000 base T- Physical layer
Auto-negotiation 10/100/1000, Full/Half Duplex

USB

Host USB 3.0

PROCESSOR AND MEMORIES

STB: Processor: Broadcom 7252SNR
GPU included in the chipset
RAM memory: DDR3 2GB
Flash memory:
NOR SPI: 4MBytes
NAND eMMC: 4GB

WIFI WLAN

802.11n 2.4GHz 3x3 Broadcom 43602
802.11ac 5GHz 4x4 Broadcom 4366
High Power (FCC compliant)
Dual-band concurrent
Integrated antennas

LOCAL CONNECTIVITY

Bluetooth 4.1 + BLE

VIDEO DECODING

MPEG2

Main Profile @ Low, Main and High Level
Maximum bit rate of 80Mbps
MPEG-4 Part 10 / H.264

Main Profile and High Profile upto 4.2
Maximum bit rate of 80Mbps

HEVC / H.265

Main Profile and Main10 Profile
VP9
8 bit

Maximum bit rate of 40Mbps

VC1

Simple and Main Profile
Advanced Profile @ level3

AUDIO DECODING

Stereo 2.0

MPEG-1 layer I & II
MPEG-2 layer II
MPEG-2 layer III
AAC-LC, HE-AACv1, HE-AACv2
AC3, E-AC3 passthrough or downmixing
WMA9

Multi-channel 5.1

AC3, E-AC3 passthrough
E-AC3 to AC3 transcoding

OUTPUT RESOLUTION / FORMAT

Resolution for UHD broadcast

3840x2160 @ 50/60Hz (progressive)

Unscaled (original format) or scaled

Resolution for HD broadcast

1920x1080 @ 50/60Hz (interlaced)

1280x720 @ 50/60Hz (progressive)

1920x1080 @ 50/60Hz (progressive)

Compatible with 3D mode (HDMI2.0)

Unscaled (original format) or scaled

Resolution for SD broadcast

720x576 @ 50/60Hz (interlaced&progressive)

HDMI OUTPUT

HDMI 2.0a and HDCP 2.2

VIDEO:

RGB 4:2:2 and 4:4:4, YCrCb 4:4:4, 4:2:2 and 4:2:0

AUDIO:

- 2 channels PCM in case of MPEG1-layer II and AAC

- AC3 or PCM in case of AC3 bit stream

- E-AC3, AC3 or PCM in case of E-AC3 bit stream

AUDIO OUTPUT

Optical S/PDIF

2-channel PCM in case of MPEG1-layer II
Originally received bit stream in case of AC3 and DTS

FRONT PANEL

1x Standby button (WPS with long press)

IR sensor: 56 KHz, SA protocol

1x bicolour led (on/stdby)

1x green led (network on/off)

REAR PANEL

1 x F-Type (input only)

1 x HDMI 2.0a

1 x SPDIF (optical)

1x USB3.0

1 x RJ45 (ETH 10/100/1000BT)

SD Card reader

DC in (12V)

POWER SUPPLY

Mains supply voltage 110-120 V ~60 Hz

Power Consumption max: 12V / 3.8A

MECHANICAL

STB Color : black

STB Size (wxdxh) : 230x200x50 mm tbc

STB Operating temp. 0°C to +40°C

Weight (STB/Total) : TBD

Storage temp. -25°C to +65°C

Packaging: size TBD

ACCESSORIES

External AC/DC adapter with LED + US Power cable (1m)

User guide pack

WARRANTY

Warranty period: 27 months

MIDDLEWARE FEATURES

Boot and loader :	Sagemcom
Conditional access :	NAGRA CONNECT
DRM:	NAGRA PRM, MICROSOFT PLAYREADY, WIDEVINE
Middleware :	SAGEMCOM Middleware v2 based on Linux
Browser :	Opera SDK4
DLNA Stack:	PacketVideo v4/v6