



Product information **BuzzBox-USB //**

Compact USB recorder and streaming encoder

BuzzBox-USB is a compact and versatile USB recorder and streaming encoder in a box. Designed for broadcast applications it allows low cost recording of sport, studio productions, compliance video and music, for example, onto a USB drive as H264 encoded MPEG2 files. You can play these files back on virtually any computer, mobile device or even new generation TV, making this file format an almost universal playback medium.

BuzzBox-USB is also a high quality streaming encoder so you can stream file to the internet for others to view live whilst also making a recording - it's one box with two functions! It is fully equipped with a full range of input signals such as HD/SD-SDI, DVI, VGA, YUV, AV and HDMI so you've got all the standard formats from the start.

Flexibility and capability

BuzzBox-USB a flexible box with great capability as it can be used as a standalone box or rack mounted in a 1RU chassis where multiple recorders are required. One of its many benefits is that it's simple to use; insert a USB drive, press the Rec start/stop button and off you go, then press it again to stop the recording. If you want to stream video (and audio) as well, just press the stream button and you'll have live video over IP. Open the GUI and you'll be able to access streaming and record parameters so that you can customise the box for your specific event.

The H264 codec ensures high quality recordings encoded as MP4 files with impressive video and audio quality for resolutions of up to 1920x1080p/60 and AAC audio bit rates up to 384KHz and sample rate of 48KHz at 16 bit. The GUI provides adjustable bit rate, standard or high profile MPEG4 or TS and users can further optimise the TS, transport stream signals for streaming such as TCP/UDP (unicast or multicast), RTSP over HTTP/TCP/UDP in the form of elementary stream, RTMP (local or publish) and HLS.

BuzzBox-USB is a highly affordable, versatile and compact USB recorder too. It's flexible design means that it accepts a wide range of analogue and digital video signals and you can do both recording and streaming simultaneously, according to production requirements.

There are various optional picture monitoring choices as well as waveform, vectorscopes and audio monitors ensuring optimum performance. This is a great product and to get more information on the BuzzBox-USB please see overleaf and contact DTL Broadcast or your local authorised reseller. For multi-channel USB recordings and more sophisticated operation there is the BuzzBox-USB product and for more sophisticated streaming applications please see the BUZZcaster-IP product.



Key features

- Simple to use USB recorder
- High quality H264 codec
- Video and audio recording
- Streaming encoder with MP4 and TS files
- TS over TCP/UDP (unicast & multicast)
- RTSP over HTTP/TCP/UDP, RTMP and HLS
- Low latency <0.3s*
- Upto 1080p60 fps
- Compact box and simple to use

Facilities

- HD/SD-SDI, DVI, VGA, YUV, AV & HDMI inputs
- Analogue audio inputs
- Front buttons for fast use
- Records up to 10Mb/s
- GUI for user adjustments
- User variable bit rates
- Performance monitoring via GUI
- MP4 (with AAC audio) or TS file formats

Specification **Compact, USB recorder and streaming encoder // BuzzBox-USB**

General	
USB	USB 2.0, high speed >15 Mb/s sustained data rate
Video codec	H264/AVC, main or high profile
Latency	<0.3s (RTSP/UDP streaming)
Bit rate	Preset for 4Mb/s. User adjustable from 1-10Mb/s via GUI
Video file format	TS or MP4 with AAC audio
Audio codec	32kbps to 384kbps, sample rate 48khz at 16bit
Video and audio inputs	
Video inputs	1 x HD/SD-SDI, 1 x DVI, 1 x VGA, 1 x YUV, 1 x AV, 1 x HDMI
Supported input formats	1920x1080(P60/P50/P30/P25/i60/i50), 1440x1050(P60), 1440x900(P60), 1360x768(P60), 1280x1024(P60), 1280x960(P60), 1280x800(P60), 1280x720(P60), 720x576(P50),720x480(P60)
Supported output formats	1920x1080(P30/P25/i60/i50), 1440x1050(P30),1440x1080(P30), 1440x900(P30), 1360x768(P30), 1280x1024(P30), 1280x960(P630), 1280x800(P30), 1280x720(P30), 960x540(P30),720x576(P50),720x480(P30),320x240(P30)
Audio inputs	2 x RCA, 1 x 3.5mm connector (stereo)
Control	
Ethernet	1 x RJ 45, 10/100Mb/s
Electrical	
Power input, DC	10V - 24VDC on 2.5mm connector with screw lock
Power consumption	15W
Mechanical	
Dimensions (W x H x D)	160mm (w) x 44mm (h) x 120mm (d) approx
Weight	0.5kg

- Warranty** **1 year, parts and labour, return to base**
- Ordering information** **BuzzBox-USB, USB recorder and streaming encoder**
- Included accessories** **AC to DC (12V DC) power supply**
- Optional items** **BuzzBox-USB-RMK, 19", 1RU rack mount chassis**
BuzzBox-USB-PSU, spare power supply AC to DC (12V DC)
BuzzBox-USB-8X4, 8 input HD/SD switcher for X-Y input switching to multiple USB recorders
- Additional information** **Please visit www.dtl-broadcast.com for further information**



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