

HD100 SERIES
 IP Streaming Encoders



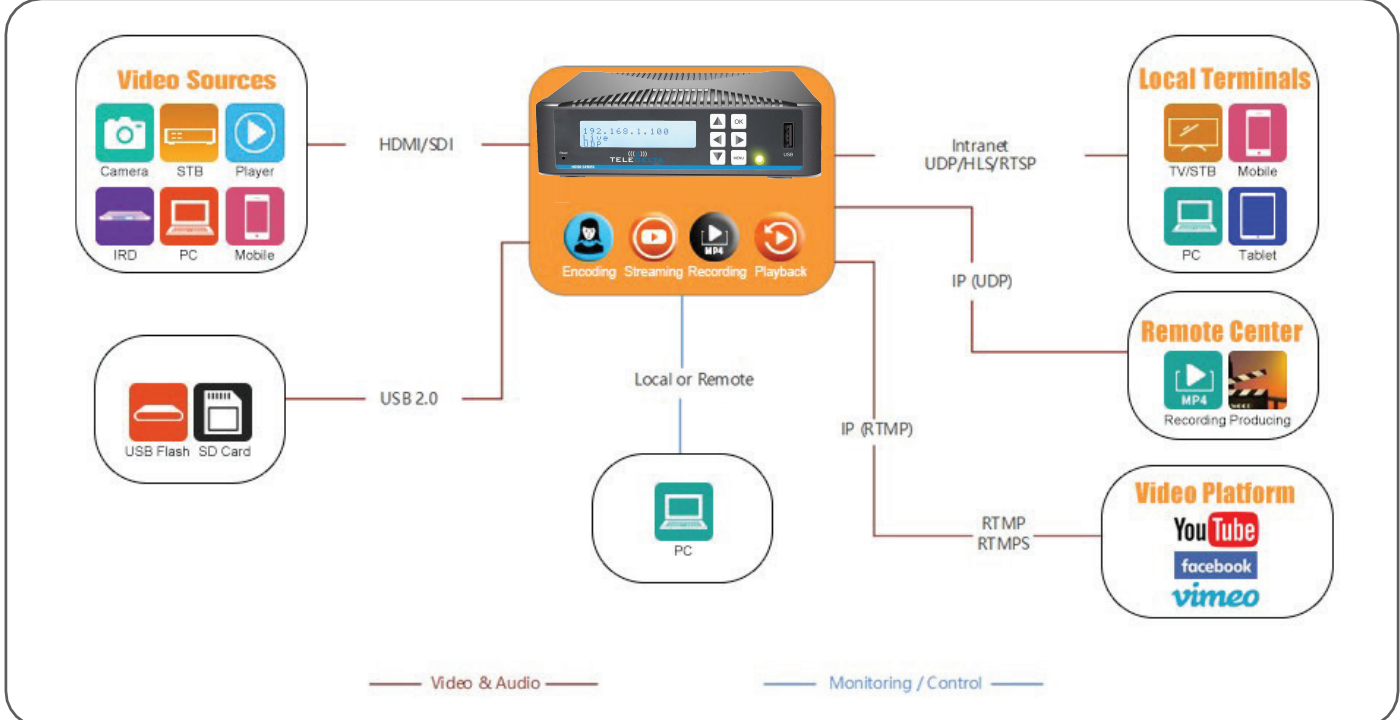
HD100 Series Encoders

The TeleDelta HD100 series are a single-channel HDMI or SDI encoder/streamer for live video and audio content distribution for private IPTV, Live Event, Webcasting and Internet Streaming Applications.

The HD100 supports a wide range of industry standard streaming protocols including UDP, RTMP, RTMPS, RTSP and HLS for in-house IPTV and public streaming requirements. Controllable by a Web-GUI interface the HD100 Series provides operators the ability to stream and record, saving content to a USB drive or portable hard-drive (Optional feature)

User selectable bitrate and encoding parameters allows the HD100 series to support up to 1920x1080P60 resolution for Full HD streaming applications.

USAGE APPLICATIONS



HD100 SERIES

IP Streaming Encoders

KEY FEATURES

- H.264 (standard) /H.265(HEVC) (Optional) High Definition, up to 1920*1080p@60
- Support for IP Streaming protocols including: UDP, RTMP, RTMPS, RTSP, HLS.
- HDMI or SDI Input options(HDS100-1 for HDMI or HDS100-2 for SDI)
- Built-in Facebook/YouTube developer account, skip all the complex configuration steps
- Record live video in parallel without interrupting livestreaming (Optional)
- Video file playback to video/social platforms, support TS, MOV and MP4 format
- Both SD card and external USB hard disk are available for storing recorded video or video file playback
- Logo/image/text overlay, create your own live video with distinctive personal characteristics (Optional)
- Start streaming by only 3 steps: 1) connect HDMI/SDI source; 2) select streaming protocol; 3) click «start streaming»

TECHNICAL SPECIFICATIONS

Channels	
Video	1Channel of H264 or H.265/HEVC SD/HD program encoding
Audio	1 pair of MPEG1L2, AAC (optional) or AC3 (optional) audio
Physical Interfaces	
Input	1 x HDMI (Model: HDS100-1) 1 x SDI (Model: HDS100-2) 1 x Audio interface (3.5mm)
Output	1 x RJ45
I/O	1 x USB 2.0, 1 x SD Card Standard Interface 1 x Reset button

Encoding	
Video Format	H.264 (Standard) & H.265 (Optional)
Resolution	1920*1080@60p/50p/30p/25p; 1920*1080@60 i/50i; 1280*720@60p/50p; 720* 576@50i; 720*480@60i; 704*576@30p/60i; 640*480@30p/60i; 640*360@30p/60i and etc.
Bit rate	1-12Mbps
Closed Caption	Supported (Formal Standards dependent)
Aspect Ratio	Automatic or manual (16:9 or 4:3)
Audio Profile	MPEG-1 Layer II, AAC (HE/LC), AC3 (optional)

Streaming	
Protocols	Live: UDP, RTSP, RTMP, RTMPS, HLS
Server Mode	Direct streaming to connected audience RJ45, limited accessing numbers
Operating Modes	
Live	Encoding and IP streaming
Output	Local: USB flash, SD Card (Optional feature) Format: TS, MOV, MP4 Circling recording (by time or size of file)
Playback	Local: USB flash, SD Card Format: TS, MOV, MP4 In-order, random, scheduled playlist

Management	
Configuration	Web-GUI (User of Admin access permissions) Power-on and play (by pre-setup or last configuration)
Physical & Environment	
Dimensions	144mm X 118mm X 38mm 0.55Kg (1.21 lb)
Power	1 x 2V DC port Max. 9W
Operating Temperature	10-40°C

ORDER INFORMATION

Model	Description
HDS100-1 (HDMI Input)	Portable network encoder streamer, HDMI input, supports H.264/HEVC and MPEG1L2, AAC, AC3 (optional), supports UDP/ RTP / RTMP / PTMPS/ HLS / RTSP IP protocols
HDS100-2 (SDI Input)	Portable network encoder streamer, HDMI/SDI input, supports H.264/HEVC and MPEG1L2, AAC, AC3 (optional), supports UDP/ RTP / RTMP / PTMPS/ HLS / RTSP IP protocols