

HD-SDI Input for USB-3

DekTec DTU-351



GENERAL DESCRIPTION

The DTU-351 is a versatile USB-3 device for getting HD-SDI signals into a laptop, tablet or PC. The unit is bus-powered, so no power supply is required.

KEY FEATURES

- All 10-bit data words from the full SDI frame can be read
- Separation of HANC, VANC and video
- All 16 audio channels can be read
- Scaling by 1/4 or 1/16 in hardware; scaling factor can be switched on-the-fly
- DirectShow filter available
- Free SDK for easy programmatic access to video, audio channels and auxiliary data

APPLICATIONS

- With SdEye: HD-SDI waveform analysis
- With DtGrabber+: HD-SDI recording
- Input for DirectShow-enabled applications that process uncompressed video
- HD-SDI input for your application

SYSTEM REQUIREMENTS

Parameter	Value
USB speed	USB-3*
OS	Windows 7, Windows 8/8.1

* The port has to be a real USB-3 port, the DTU-351 will not work with a USB-2 port.

- HD-SDI input with full frame access
- Optional hardware scaling 1/4 or 1/16
- Support for SD-SDI

KEY ATTRIBUTES

Parameter	Value
Physical layer	SD-SDI: SMPTE 259M HD-SDI: SMPTE 292M
SDI connector	75-Ω BNC
Return loss	≥12dB @ 0 .. 1.5GHz
SDK features (Matrix API)	8/10/16-bit conversion Audio/video/ANC extraction Hardware scaling by 1/4 or 1/16 Multiple unit synchronization
SDK	DTAPI, Matrix API

SUPPORTED FORMATS

Formats
525i59.94, 625i50
720p23.98, 720p24, 720p25, 720p29.97, 720p30, 720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080i50, 1080i59.94, 1080i60

ORDERING INFORMATION

Parameter	Value
DTU-351-DP	HD-SDI input for USB-3 with DtGrabber+ recording software
DTU-315-DP-SY	DTU-351-DP with SdEye wave-form monitoring and analysis
DTU-351	DTU-351 without software, for writing your own application that needs input of an HD-SDI signal

Sencore is the preferred distributor of DekTec in North America.