



BROADCASTING PRODUCTS
CATALOG

LUMANTEK

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Lumantek designs, develops and markets complex electronic test & measurement instruments, broadcast transmission and digital media convergence systems geared toward the specialized needs of Digital & Mobile TV, IPTV, Radio; along with Terrestrial and Satellite Broadcasting.

What sets us apart from others is we design our own modulations to ensure superior quality and maximizing value while minimizing unnecessary cost. Further, we have a bold presence in the end-to-end value chain of broadcast and production.

Lumantek is a trusted partner of service providers, enterprises, strategic industries such as automotive, broadcasting, hospitality, manufacturing, providing solutions encompasses the SD/HD content value chain from creation/edit to digital asset management to RF transmission and delivery.

LUMANTEK

ez-Pro
VS10

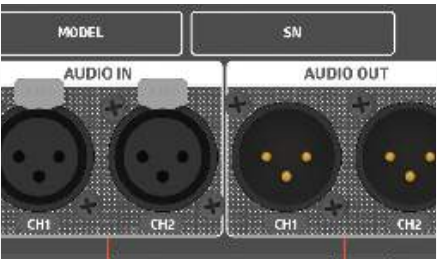
10 Inputs 1080p60
Full HD Video Switcher

ez-Pro VS10 is a 10 channels video switcher. It has 8 x 3G-SDI and 2 x HDMI inputs all installed with internal scalers. As output ports, it has 6 x 3G-SDI and 2 x HDMI. Internal scalers facilitate the user connecting video sources from different resolutions.



Internal scaler in all inputs

VS10 comes with internal scalers in all inputs.



3 x Aux Output

You can use three auxiliary as extra video outputs to gain full broadcasting control.



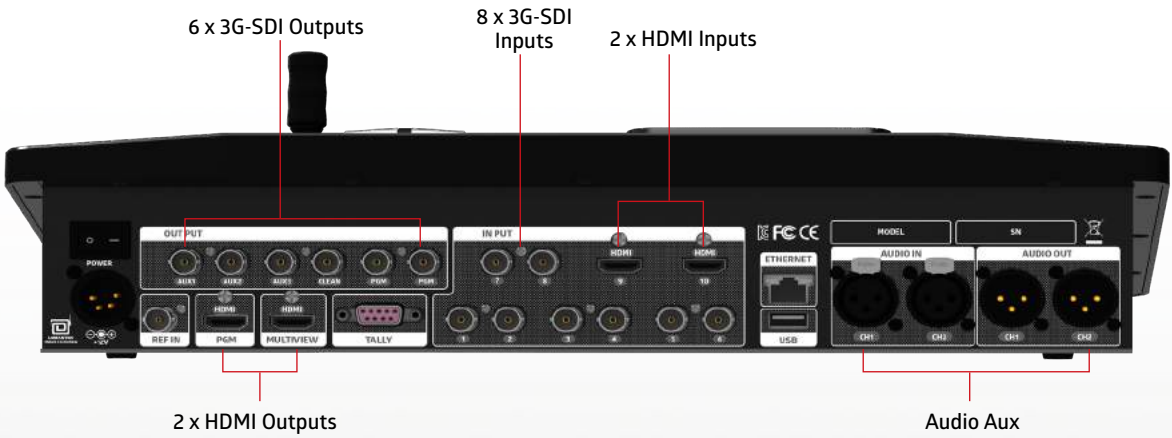
User-Friendly LCD screen

Our LCD screen and buttons are user-friendly. You can learn fast, and it is easy to control both video and sound.



Basic features

2 x PIP, 1 x Still Image, Chroma/ Luma Keyer, DSK.



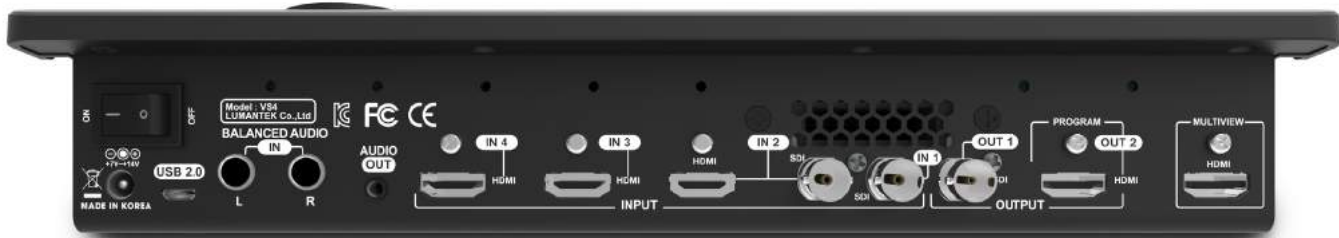
ez-Pro VS10
10 Inputs 1080p60
Full HD Video Switcher



ez-Pro VS4

Full HD Switcher

ez-Pro VS4 is a 4 channels video source switcher. Video sources can enter through HDMI and/or SDI ports and can be assigned to HD displays and projectors. Built-in scalars on each inputs can adjust output video resolution even though input sources have different resolutions. ez-Pro VS4 is born for worship, educational activities, wedding, ceremonies, theater, and live concert.



ez-Pro VS4 rear



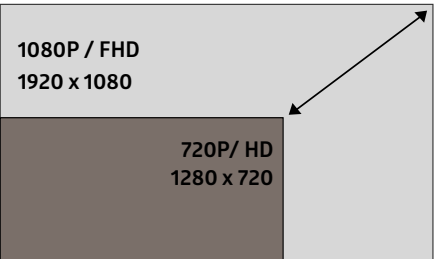
User-Friendly Multiview

You can monitor all sources at the same time on a screen through ez-Pro VS4. The multiview allows easy monitoring of all video inputs, audio levels, the preview (PVW) and the program (PGM) screen without confusion. Picture-in-Picture (PIP) can also be repositioned and resized through the multiview screen.



Audio Input/ Output

Stereo Balanced Audio input can be mixed with audio sources from 3G-SDI and HDMI video. Audio embedding and de-embedding supported.



Internal Scalars for SD, HD, Full-HD

Each video input has a built-in scalar that can be set up to 1080p. The incoming video source resolution will be automatically displayed on the LCD screen. The output program (PGM) can be up/down scaled to any HD resolution up to 1080p.



6 Ch HD Video Switcher

Bring your live production with seamless video switcher. ez-Pro VS6 has strong features, easy operation for even non-professional users. It is the most cost-effective way to apply CG for the live concerts, house of worship, conferences and more! Whenever you're in live events with HD resolution broadcasting, simply apply our ez-Pro VS6 to HD signal for amazing quality. Enjoy our compact console included in our package.

FEATURES

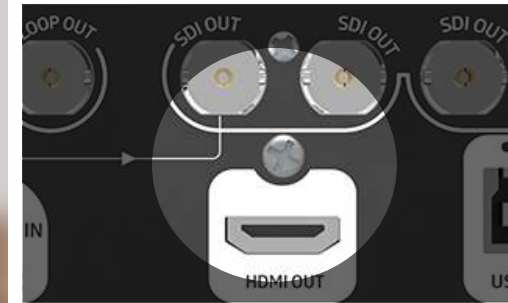
- 2 Auxiliary outputs of all inputs and program, clean, preview, clean, key
- Eliminate audible pop when switches are performed
- HD-SDI 6Ch input
- HDMI Multiview extra output (PVW/ PGM output)
- Frame Synchronization for all inputs
- External Audio Mixing (XLR, L/R support)
- CG Input (Fill/Key) Support
- PGM, Clean, AUX1, AUX2, Output
- Various Effects
- Control console



ez-DSK

LIVE HD TITLER

ez-DSK allows easy application of computer graphics like subtitles, images, sequences, videos and widgets into your outgoing video source. Overlay method of ez-DSK doesn't take any extra video ports like conventional Fill/Key generators allowing zero delay transmission. It comes equipped with fail safe trigger mechanism to prevent any disruption if any malfunction of the device happens. All outgoing ports re-clock the video source for better quality video. ez-DSK distributes the outgoing source into 4 SDI and 1 HDMI, so it works as a distributor and a converter at the same time.



Distributor and Converter

ez-DSK distributes the video into 1 Clean source and 5 CG'ed sources (4 SDI & 1 HDMI). You do not need extra distributor or a converter for HDMI output.



CG software, ez-CGER

Use our dedicated complimentary software, ez-CGER, to create & overlay your CG's. Add images, videos, sequences, texts and more to your videos.

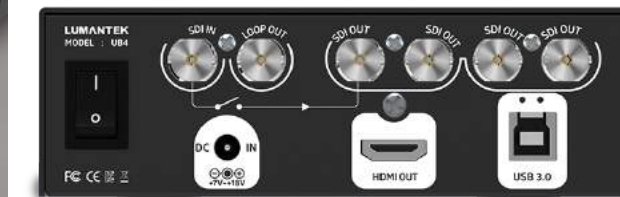


Fail Safe

Feel safe with our Fail Safe mechanism. Your broadcasting won't fail even with powered off device due to malfunctioning or power outage (1 Output). Also, ez-DSK itself generates streaming source which will prevent any disruptions to subsequent broadcasting equipments even when the original input signals are out.

Zero Delay and Reclocking

Down stream keying technology overlays the fill key over the outgoing video stream causing zero delay.



ez-CGER mini

▼ Software Features

- Prompt control CG out through short-cut key
- Scroll CG (Speed control from 1 to 10)
- Channel switching effect
- Various image formats support (jpg, gif, png, bmp)
- Support sequence
(TGA format file for logo animation insertion and sequence effect)
- Support movie clip (WMV, AVI, MP4) & Size control available
- Provide various templates (equipped S/W internally)
- PIP (Picture in Picture) - Use input as extra channels
- PIP crop available
- All PIP features are excluded in CGER mini



ez-CGER mini UB2



USB 3.0 Live CG Fill/Key

ez-CGER mini is a simple and the smallest HD live graphic system for live conference and active video presentation. User can create and present powerful on-screen CG and texts in real time using PC. ez-CGER and CGER software are connected via USB 3.0 and generate fill/key signals to HD-SDI port.

Super affordable cost

With all-in one switcher solution, ez-Cger mini does not require additional equipment such as SDI card, and simply USB plug to your laptop for any HD high resolution event.

Fill/ Key SDI out



Movie Layer Inserting through USB 3.0

Simply insert movie clips layer in your broadcasting contents

Mini converter type compact design character generator
(Live CG Fill/ Key)

Easy install through USB 3.0/ CG Output (Fill/ Key output)

Support various images and sequences (jpg, png, bmp, gif, tga)

Support various movie clip formats (wmv, avi, mp4)

Scroll text effect for broadcasting

Free software

User- friendly UI

USB 3.0 Connection and Lap-top PC control / Perfect GUI Support

ez-CGER VM4

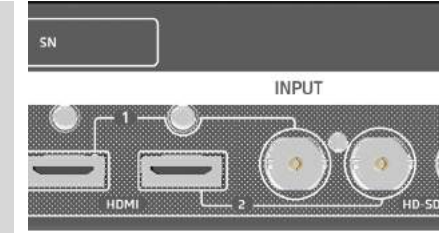
HD LIVE GRAPHIC SWITCHER, EZ-CGER

The most real innovated multi-camera live graphics production system based on video switcher. You can create impressive HD CG on live events, house of worships, presentation and sports events. Just like professional television studio. Simply enjoy seamless video switching between multiple HD video sources through HD-SDI and HDMI. ez-CGER (Model : VM4) let you tell your story effectively.



Super - Affordable cost

With all-in-one switcher solution, ez-CGER does not require additional equipments such as SDI card, and simply USB plug to your laptop for any HD high-resolution event.



x4 SDI Input, x2 HDMI Input 1 x VGA / 1 x HDMI/ x1 SDI

With all-in one switcher solution, ez-Cger does not require additional equipments such as SDI card, and simply USB plug to your laptop for any HD higher resolution event.



Movie Layer Inserting through USB 3.0

Simply insert movie clips layer in your broadcasting contents



ez-CGER VM4

camocamo

AUGMENTED REALITY, CAMOCAMO

Camocamo is a real-time face recognition digital signage solution. You can insert lots of graphic effects on your live image. Share your photo online!

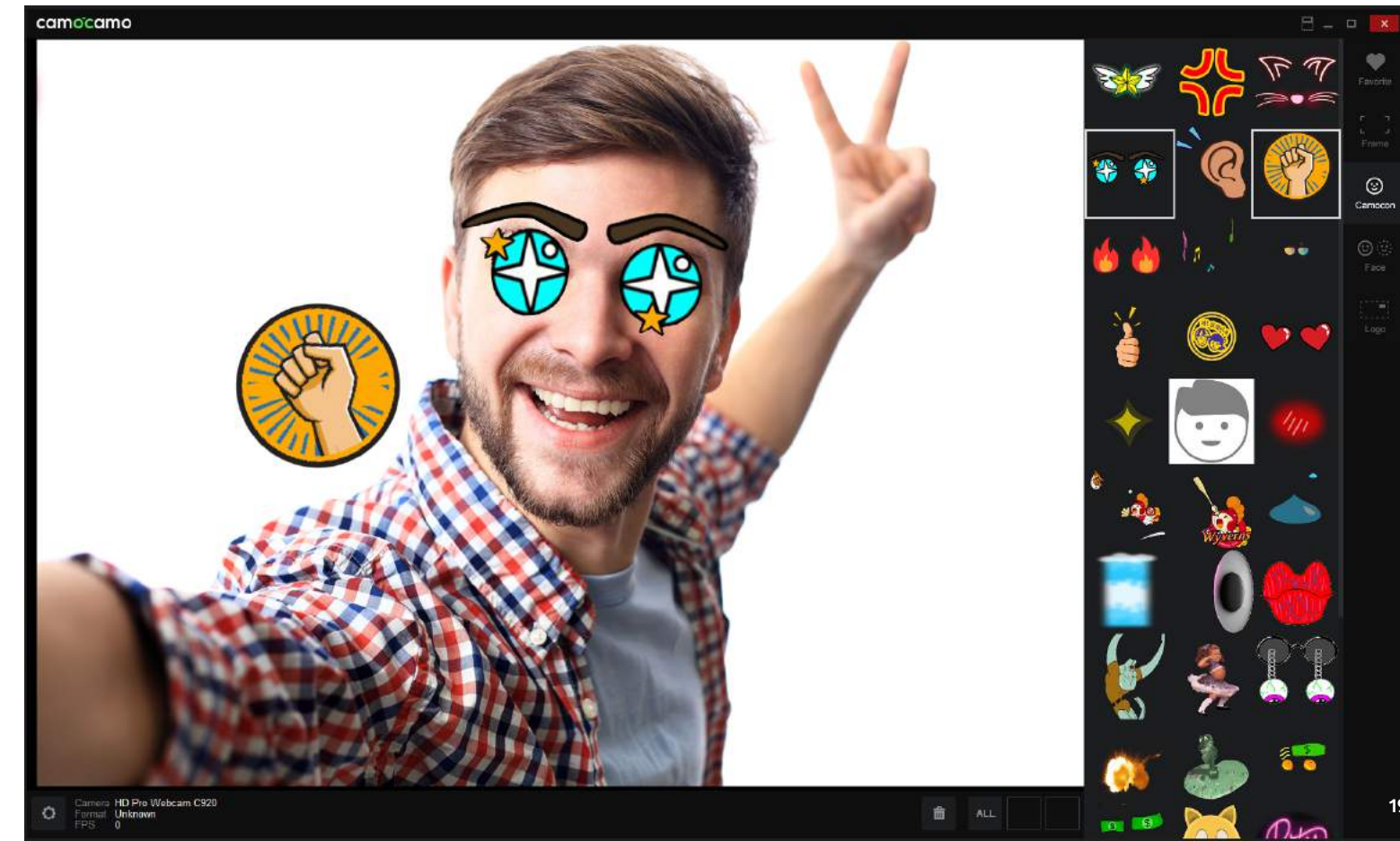


Features

1. Face recognition with computer graphics.
2. Sketch over the display
3. 1080p60 resolution image sequence
4. Easy editor tool
5. Supports USB webcam and SDI Camera

Required System

OS : Windows7 or Windows 8
CPU : Intel i7 4th Gen
RAM : 8GB
VGA : GeForce GTX 750
Monitor resolution : more than 1920 x 1080
SDI cam, Webcam supported



ez-Distributor

DISTRIBUTION AMPLIFIER 12 X 3G SDI / 2 X HDMI OUT

LUMANTEK's ez-Distributor is a 14 channels distributor in 1RU size. It has 1 x HDMI and 1 x 3G-SDI inputs, and 2 x HDMI and 12 x 3G-SDI outputs. You can embed external audio and deemed incoming video's audio. With the LCD screen, it is very easy to monitor what is being played through the distributor.



LCD Monitoring

It is easy to check what is being played on the LCD screen. You can also check the audio bar on the screen to find out the audio level.



12 x SDI / 2 x HDMI

You have plenty of distribution ports with ez-Distributor.

- 12 x 3G-SDI
- 2 x HDMI 1.3



Embedded / De-embedded Audio

If you wish to add an external audio to the video which is being distributed, don't worry. ez-Distributor has a pair of XLR port for you to input a different audio. You can also take the sound out of the video.



ez-Distributor

BAT-SD

SMALL SDI DISTRIBUTOR

With its size of a mini converter, the BAT Distributor can take in 1 video source and multiply it by 6 output channels. It functions with SD/HD/3G-SDI resolutions with 2 watts of power consumption.



1 to 6 Video Distribution

With BAT Distributor, you can multiply your video 6 times. This configuration is perfect when you need to send the same video signal to many monitors.



Re-Clocking and Amplification

Video signals going through BAT Distributor are amplified and sent out. Meaning, the signals can reach further cable distances from where the BAT Distributor is positioned.



Low Power Consumption

BAT Distributor operates with 2 watts of power making the maximum heat produced to be 50 degrees Celcius.

Input Electrical Specifications

Parameter	Units	Min.	Typ.	Max
SDI Input Cable Lengths				
SD- SDI (Belden 1694A)	250		m	
HD - SDI (Belden 1694A)	170		m	
3G - SDI (Belden 1694A)	155		m	
RF Input				
Connector (1 port)	75 ohm, 1 x BNC type female			
Display				
Input SDI Detect	SD(Green), HD/3G(Yellow)			

Output Electrical Specifications

Parameter	Min.	Max.	Units	Typ.
Rise/ Fall time				
SD- SDI : rise/fall time (20-80%)			ps	600
HD- SDI : rise/fall time (20-80%)			ps	100
3G- SDI : rise/fall time (20-80%)			ps	100
Peck to Peck Voltage Swing				
SD/ HD/ 3G-SDI	720	880	mVpp	800
Overshoot / Undershoot				
SD/ HD/ 3G-SDI	-10	+10	%	
RF Input				
Connector (1 port)		75 ohm, 1 x BNC type female		

Output Electrical Specifications

Parameter	Min.	Max.	Units	Typ.
DC Input Power	7	18	V	
Lowest Power Consumption		2	W	
Dimensions	131 x 99 x 28.4 (except connector) mm			
Weight	370g			

ez-Line VM16

16 x 16 HD - SDI Router

ez-Line (HD-SSDI 16 x 16 Router) supports the standard HD - SDI signal and can configure HD broadcast signal input/ output. Through this unit user can send sharp and clear signals. In addition to this, user can utilize this device function and use variety purposes such as splitter and selector.



Right Routers for your applications

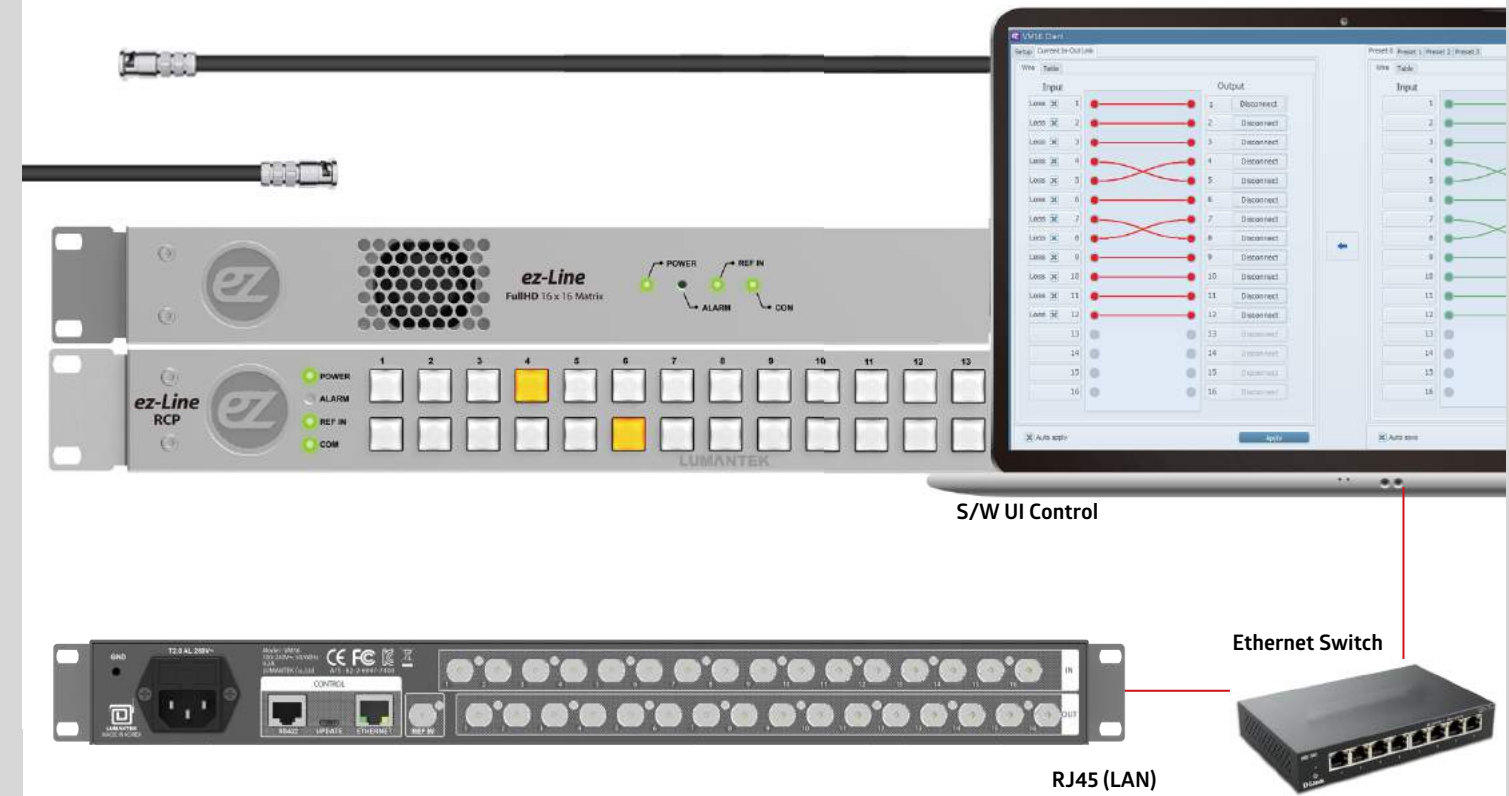
Cost saving simple system
Build for quality in quality out
1 RU / Right size for typical AV setups
Ideal Signal Control Media
Ethernet control (main unit) compatible

Flexibility, Practicality, Compatibility!

Common 16 x 16 3G SDI in and output layout
Built to the exact standards in the market
Durability guaranteed (Robust and reliable)
SDK & API support for user application

Easy RCP control

Simple web browser control 1RU RCP
Direct via RS-422 connection
Best suits your production environment



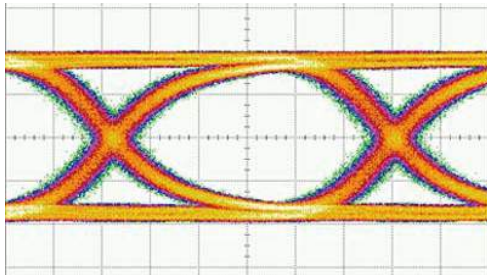
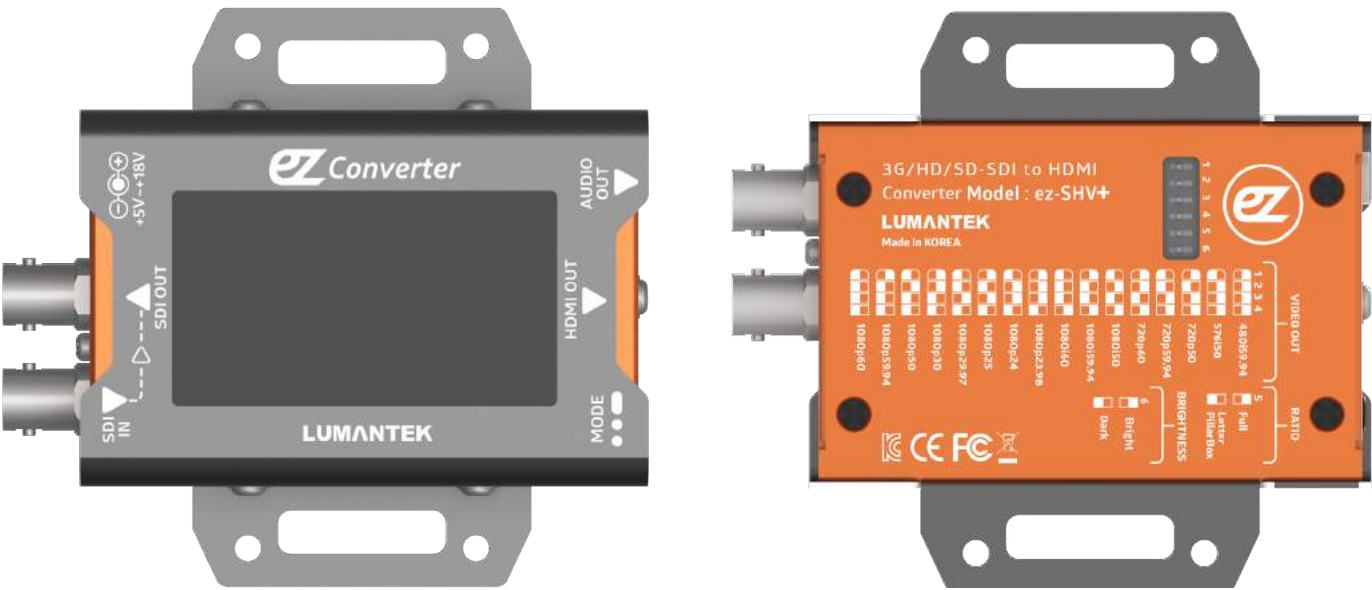
ez-SHV+

CONVERTER WITH DISPLAY

LCD Monitoring

You can see the video in live. Don't rush into TV screen anymore. All you need is using ez-SHV+ and save your time.

LUMANTEK's ez-SHV+ also has a SDI LOOP output. Through the 2.7-inch LCD screen, you can monitor incoming video. By using the DIP Switch, you can select the resolution from 480i to 1080p. You can also control the LCD Brightness.



Eye Pattern

Press the function button to see your video's eye pattern. Now you can check the digital signal quality.



Scalable Resolutions

ez-SHV+ can change the resolution of the incoming video to any resolution ranging from 480i to 1080p by using DIP Switch.



Low Power Consumption

The Maximum power consumption of ez-SHV+ is 3 watts. Operating temperature is 32 to 113°F (0 to 45°C)

ez-md+

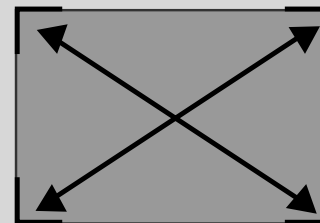
HDMI/SDI CROSS CONVERTER

LUMANTEK's ez-MD+ is a compact cross-converter for HDMI to SDI or SDI to HDMI. The genlock system allows synchronizing of signals to combine unpaired output signals. It supports XLR balanced audio support with audio delay controller.



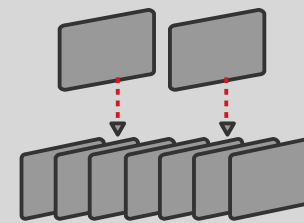
External Audio Embedding/ De-embedding

Complimentary 9 pin serial port to XLR*4 cable



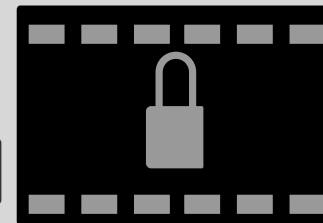
Scalable Resolutions

Scaler ez-Converters can change the resolution of the incoming video to any resolution ranging from 480i to 1080p60. Use the 'dip switch' on the side of the converter and match to the right resolution.



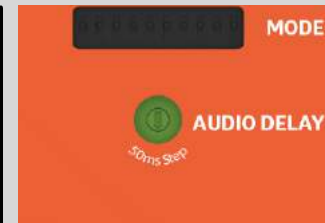
Frame Synchronizer

Frame Synchronizer will fill in the gaps or delete excess frames to match the input and output frame rates.



Genlock

Genlock system ensures proper synchronizing of the signals when aligning the source with external signal.



Audio Delay Controller

Use the rotary switch to control the audio delay to the video.



ez-cross

ez-Converter

ez-as+
CVBS to 3G/HD/SD-SDI Converter



Input Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
NTSC / PAL	-	-	-	-
Audio				
6.35 mm (1/4") Phone Jack (Balanced) x2	-			
CVBS				
Connector (1 Port)	-	75ohm, 1 x BNC type female		

Output Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
720 x 480i @59.94				
720 x 576i @50				
1280 x 720p@50/59.94/60	-	-	-	-
1920 x 1080i@50/59.94/60				
1920 x 1080p@23.94/24/25/29.97/30				
1920 x 1080p@50/59.94/60				
Audio sample rate				
48KHz				
SDI Output				
Connector (2port)	-	75ohm, 1 x BNC type female		

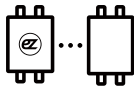
Rack mount



ez-Converter Rackmount 2 - 3 RU design
up to 10 units / 2 Power Supplies
(1 redundant power)
Dimension : 478 mm(w) x 44mm(h) x 350mm(d)



Low power
consumption



Compatibility
with other Brands



Audio
Sampling

ez-hs+
HDMI / VGA to 3G/ HD/ SD-SDI Converter



Input Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
HDMI	VGA			
720 x 480i @59.94	640 x 480p @60/72/75/85			
720 x 576i @50	800 x 600p @60/56/72/75/85			
1280 x 720p@50/59.94/60	1024 x 768p @60/70/75/85			
1920 x 1080i@50/59.94/60	1152 x 864p @75			
1920 x 1080p@23.94/24/25/29.97/30	1280x 720p@50/60			
1920 x 1080p@50/59.94/60	1280 x768p@60 @60RB			
	1280 x 800p @60			
	1280 x 960p @60			
	1280 x 1024p @60 /75			
	1360 x 768p @60			
	1440 x 900p @60			
	1400 x 1050p @60/75			
	1600 x 1200p @60			
	1680 x 1040p@60			
	1920 x 1080i @50/60			
	1920 x 1080p @24/50/60			
	1920 x 1200p @60			
Audio				
3.5mm stereo jack x 1	-			
HDMI				
Connector (1port)	- Type A			
VGA				
Connector (1port)	- D-SUB 15 female			

Output Electrical Specifications

Parameter	
Video formats	
720 x 480i @59.94	
720 x 576i @50	
1280 x 720p@50/59.94/60	
1920 x 1080i@50/59.94/60	
1920 x 1080p@23.94/24/25/29.97/30	
1920 x 1080p@50/59.94/60	
Audio Output	
48KHz	-
SDI Output	
Connector (2port)	- 75ohm, 2 x BNC type

ez-sh

3G/HD/SD-SDI to HDMI Converter



Input Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
720 x 480i @59.94/60				
720 x 576i @50				
1280 x 720p@50/59.94/60				
1920 x 1080i@50/59.94/60	-	-	-	-
1920 x 1080p@23.94/24/25/29.97/30				
1920 x 1080p@50/59.94/60				
Audio Sample Rate				
48KHz				
SDI Input				
Connector (1 port)	-		75ohm, 1 x BNC type	

Output Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
720 x 480i @59.94/60				
720 x 576i @50				
1280 x 720p@50/59.94/60	-	-	-	-
1920 x 1080i@50/59.94/60				
1920 x 1080p@23.94/24/25/29.97/30				
1920 x 1080p@50/59.94/60				
Audio sample rate				
48KHz				
HDMI Output				
Connector (1port)	-		Type A	

ez-hs

HDMI to 3G/HD/SD-SDI Converter



Input Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
720 x 480i @59.94/60				
720 x 576i @50				
1280 x 720p@50/59.94/60	-	-	-	-
1920 x 1080i@50/59.94/60				
1920 x 1080p@23.94/24/25/29.97/30				
1920 x 1080p@50/59.94/60				
Audio Sample Rate				
48KHz				
SDI Input				
Connector (1 port)	-		Type A	

Output Electrical Specifications

Parameter	Units	Min.	Typ.	Max
Video formats				
720 x 480i @59.94/60				
720 x 576i @50				
1280 x 720p@50/59.94/60	-	-	-	-
1920 x 1080i@50/59.94/60				
1920 x 1080p@23.94/24/25/29.97/30				
1920 x 1080p@50/59.94/60				
Audio sample rate				
48KHz				
HDMI Output				
Connector (2port)	-		75ohm, 2x BNC type female	

BAT-Converter



BAT-AS (Analog to HD-SDI)

Parameter	Typ.
Video formats	720(1440) x 480i @ 59.94/60, 720(1440) x 576i @ 50 1280 x 720p @ 50, 1280 x 720p @ 59.94/60 1920 x 1080i @ 50, 1920 x 1080i @ 59.94/60 1920 x 1080p @ 23.94/24, 1920 x 1080p @ 25, 1920 x 1080p @ 29.97/30
Video Inputs	HD Component (YPbPr) or SD Component/Composite/S-Video, 3x BNC
Video Outputs	SMPTE-259/272/274/292/296/299 HD/SD-SDI with embedded audio outputs, 1 x BNC
Audio Outputs	2 channels unbalanced, 2x RCA
Video ADC	12-Bits
Audio ADC	24-Bits, 48kHz

BAT-SA (HD-SDI to Analog)

Parameter	Typ.
Video formats	720(1440) x 480i @ 59.94/60, 720(1440) x 576i @ 50 1280 x 720p @ 50, 1280 x 720p @ 59.94/60 1920 x 1080i @ 50, 1920 x 1080i @ 59.94/60 1920 x 1080p @ 23.94/24, 1920 x 1080p @ 25, 1920 x 1080p @ 29.97/30 HD and SD-SDI (auto-selected), SMPTE-259/272/274/292/296/299/424/425
Video Inputs	1x BNC input, 1x BNC loop-through output Selectable Component (YPbPr) or Composite (CVBS and S-Video) by DIP switch NTSC and PAL support
Video Outputs	3x BNC output
Audio Outputs	2 channels RCA-style analog outputs at -10dBv



BAT-3HS (HDMI to HD-SDI)

Parameter	Typ.
Video formats	720(1440) x 480i @ 59.94/60, 720(1440) x 576i @ 50 1280 x 720p @ 50, 1280 x 720p @ 59.94/60 1920 x 1080i @ 50, 1920 x 1080i @ 59.94/60 1920 x 1080p @ 23.94/24, 1920 x 1080p @ 25, 1920 x 1080p @ 29.97/30 1920 x 1080p @ 50, 1920 x 1080p @ 59.94/60
Video Inputs	HDMI with embedded audio & auto mute when DVI input
Video Outputs	SMPTE-259/272/274/292/296/299/424/425 3G/HD/SD-SDI, 2 x BNC Supports 8 audio channels (4 stereo pairs)
Audio Outputs	- when the input audio sample rate is 48kHz - Supports 2 audio channels (1 stereo pair) - Auto detection of the input audio sample rate

BAT-3SH(HD-SDI to HDMI)

Parameter	Typ.
Video formats	720(1440) x 480i @ 59.94/60, 720(1440) x 576i @ 50 1280 x 720p @ 50, 1280 x 720p @ 59.94/60 1920 x 1080i @ 50, 1920 x 1080i @ 59.94/60 1920 x 1080p @ 23.94/24, 1920 x 1080p @ 25, 1920 x 1080p @ 29.97/30 1920 x 1080p @ 50, 1920 x 1080p @ 59.94/60
Video Inputs	3G, HD, and SD-SDI (auto-selected), SMPTE-259/272/274/292/296/299/424/425 1x BNC input, 1x BNC loop-through output
Video Outputs	HDMI v1.3a, 24/30/36 bits per pixel, RGB, 2.25Gbs, SD, HD, 1080p50/60 HDMI Standard Type A connector
Audio Outputs	HDMI embedded audio, 24 bit, 2 or 8 channels RCA-style analog outputs at -10dBV

ez-Caster EN8

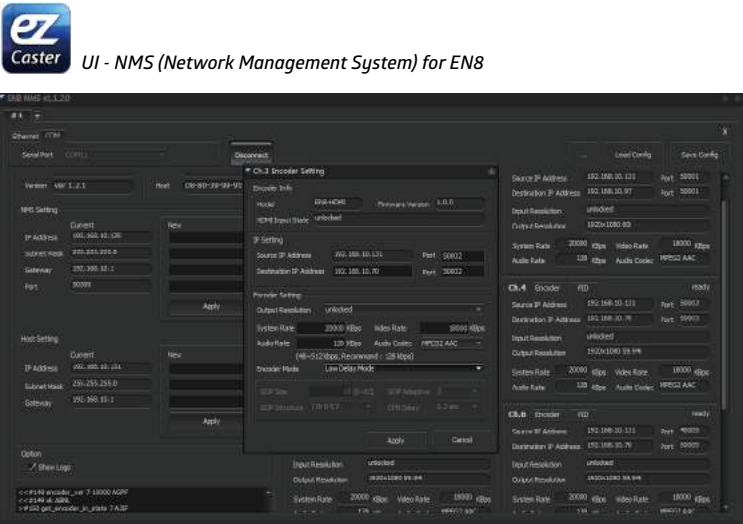
8 Channel Video over IP Encoder

Discover the new ez-Caster EN8! HD quality video distribution solution with H.264 compression.

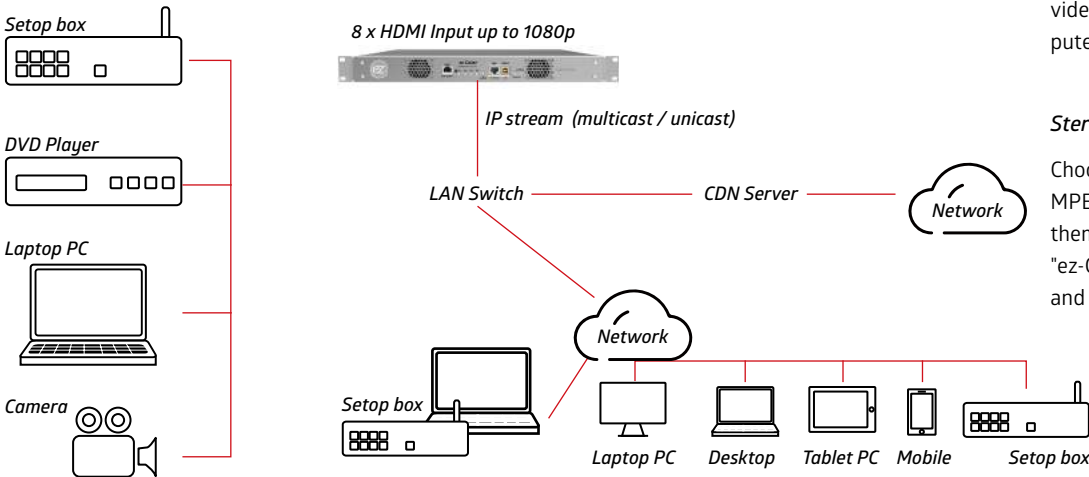
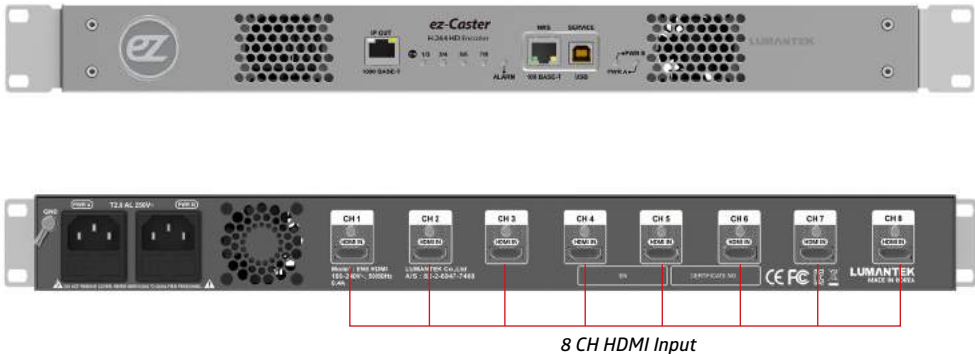
ez-Caster EN8 comes with 8 HDMI channels over IP distribution system and multi-channel encoding feature (up to 1080i60) for video and audio over a standard IP network for excellent quality and low network bandwidth.

It connects to a maximum number of 8 satellite or cable STB to acquire HD video signals and distributes over an IP based network, such as LAN and Intranet.

It turns a HDMI video stream into a video system network and enables users to view live images and HD videos using video management software on any local IP STB or remote computer in the network.



UI - NMS (Network Management System) for EN8



Network Management System
"ez-Caster"

Manage your network with the "ez-Caster" software.

You can control streaming destination I.P. addresses, outgoing resolution, encoding rates (system, video and audio) and audio codecs all in one screen.

Video Resolution setting

Set the outgoing resolution to the resolution you need. You can choose from 480i60, 720p30, 1080p30, and 1080i60. *Resolution setting cannot go over the resolution of the input source.

8 Ch HDMI over IP Distribution

Maximum inputs of 8 HDMI's can be connected to be streamed (TS over IP). Spread the videos into your network, so your TVs, computers, and laptops can view your videos.

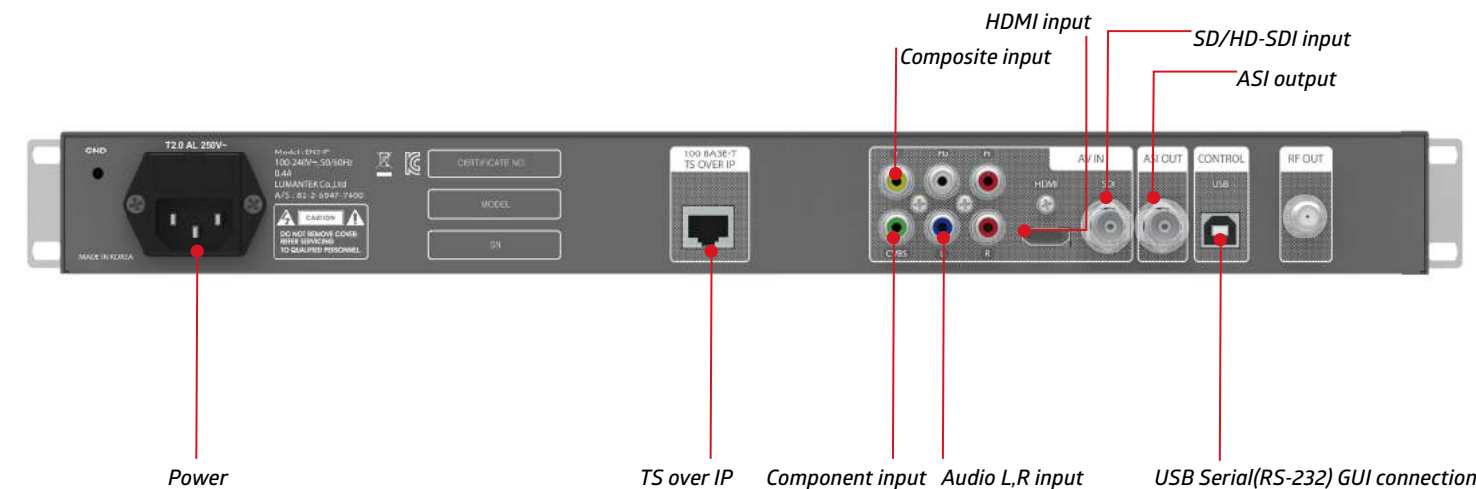
Stereo Audio Encoding

Choose from MPEG1 Layer2, MPEG2 AAC, and MPEG4 AAC audio codecs before streaming them into your network. Simply use our "ez-Caster" software to change the settings and you are ready to go!

ez-Caster EN3

MPEG2/ H.264 HD Encoder

ez-Caster is MPEG2/H.264 HD Encoder in 1RU device system. It has various interfaces (HD-SDI, HDMI, Component, Composite) and external audio. Also it process these input signals and mix it. ez-Caster is MPEG2/H.264 HD Encoder in 1RU device system. It has various interfaces (HD-SDI, HDMI, Component, Composite) and external audio. Also it process these input signals and mix it. Supports variable encoding latency from 150ms ~ 600ms. Encode baseband signal (HD-SDI, HDMI, Component, Composite). Offers the best picture quality compared to the original signal.



HD Encodulator

All-in-One HD Encoder + Modulator HD Encodulator

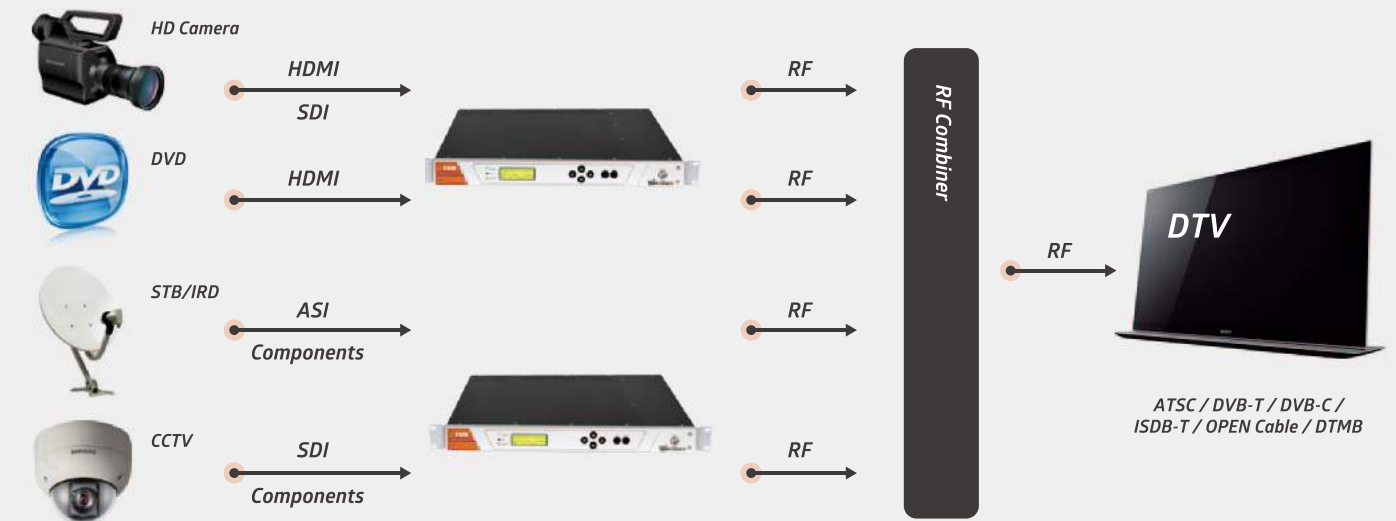
Create HDTV distribution System
using various HD/SD/AV sources



FEATURES

- Encoder plus DTV modulator in one rack unit case
- Video and audio CODEC selectable: MPEG2 / H.264, PEG1-L2 / AC3 / AAC
- Input ports: HDMI, HD-SDI, Y/Pb/Pr, ASI, Analog Stereo Audio(L/R), SPDIF (optical/coaxial), and AES/EBU
- High power RF output (10dBm for 1ch)
- HD Modulator option (ATSC, QAM, DVB-T, DTMB)
- Internal PSI/PSIP generation or external input through ASI-Input port
- Firmware update and control through web server
- HTTP and SNMP control with 100Base-T

HD ENCODULATOR Full Diagram



DTV Analyzer

High-level TS Analyzer/ Recorder/ Player

Realtime and offline analysis with versa-
tile interface IP, ASI, SMPTE, RF, Offline



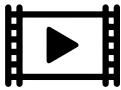
MPEG Analyzer

Real-time /
Offline Analyzing



MPEG Recorder

Real-time Record-
er for SMPTE / SDI



MPEG Player

Pre-recorded TS
Playback

DVB/ATSC/ QAM-B DTV Analyzer UI



IP/ ASI/ SMPTE/ RF/ Off-line

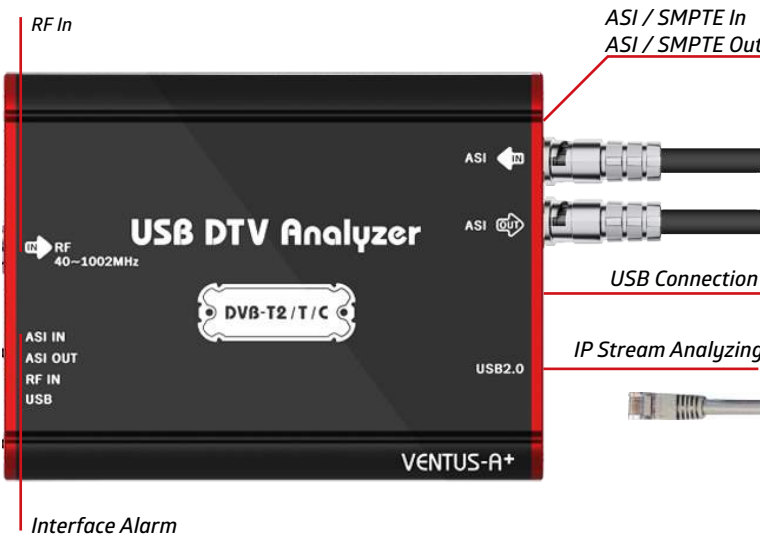
H/W Specifications (ATSC type)	
Demodulation	8VSB, OpenCable(64QAM, 256QAM)
Size	154mm x 77mm x 29mm
Power	USB 2.0 bus powered, no power supply required
RF input connector	75Ω F-Type 1ea
ASI/SMPTE310M input connector	75Ω BNC 1ea
ASI/SMPTE310M output connector	75Ω BNC 1ea
ASI input bit-rate	0~108Mbps
ASI output bit-rate	0~108Mbps
SMPTE310M input bit-rate	19.392Mbps
SMPTE310M output bit-rate	19.392Mbps
RF Input Frequency Range	40 ~ 1002 MHz
RF Input Level	+7 ~ -84 dBm

S/W Specifications (ATSC type)	
TS Input	ASI, SMPTE310M
TS Out	ASI or SMPTE310M (Allow when input is ASI, SMPTE310M)
Analysis Mode	MPEG-2, ATSC, DVB
7 Analysis Window Tab	Service, PID, Table, Service View, Bit-rate, TR 101 290, Table History
Closed caption	
Real-time decoder	
Recommended system requirements	
CPU	: better than Intel Core i3 3.1GHz (Sandy Bridge)
RAM	: better than 2GB
OS	: Window 7
Resolution	: bigger than 1680x1050

H/W Specifications (DVB type)	
Demodulation	DVB-T2, DVB-T, DVB-C
Size	154mm x 76.8mm x 28.4mm
Power	USB 2.0 bus powered, no power supply required
RF input connector	75Ω F-Type 1ea
ASI input connector	75Ω BNC 1ea
ASI output connector	75Ω BNC 1ea
ASI input bit-rate	0~108Mbps
RF Input Frequency Range	40 ~ 1002 MHz
RF Input Level	DVB-T2:+5~-78 dBm DVB-T:+7~-83 dBm DVB-C:+2~-67 dBm

S/W Specifications (DVB type)	
TS Input	ASI,SMPTE310M,File, IP (UDP/Ts or UDP/RTP/TS),RF
TS Out	ASI or SMPTE310M (Allow when input is ASI, SMPTE310M)
Analysis Mode	MPEG-2,ATSC,DVB
7 Analysis Window Tab	Service, PID, Table, Service View, Bit-rate, TR 101 290, Table History
Closed caption	
Real-time decoder	
Recommended system requirements	
CPU	: better than Intel Core i3 3.1GHz (Sandy Bridge)
RAM	: better than 2GB
OS	: Window 7
Resolution	: bigger than 1680x1050

USB type DTV Analyzer (DVB type)



USB type DTV Analyzer (ATSC type)



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