

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.



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.



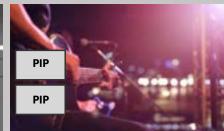
3 x Aux Output

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



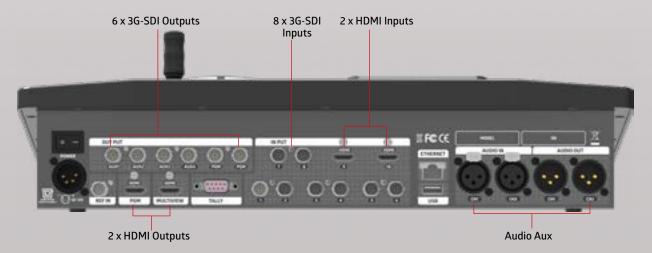
User-Friendly LCD screen

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

and sound.



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 scalers 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.



Full HD Compact Switcher



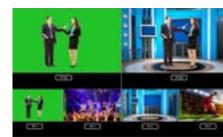


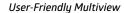


Picture in Picture



ez-Pro VS4 rear



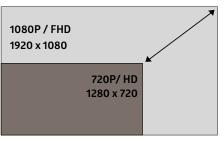


You can monitor all sources at the same time on a screen through ez-Pro VS4. The multiview allows easy monitoring of all video inputs, audio levels, the preview (PVW) and the program (PGM) screen without confusion. Picture-in-Picture (PIP) can also be repositioned and resized through the multiview screen.



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 Scalers for SD. HD. Full-HD

Each video input has a built-in scaler 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 resoultion 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

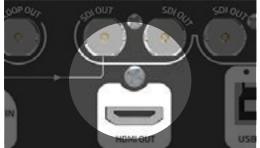
LIVE HD TITLER

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 lik 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.

Call to Worship

≓a K∵rshat

@ PZ-DSK



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.



Zero Delay and Reclocking

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



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 outrage (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



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 poswerful 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 resoultion event.

Fill/ Key SDI out



Movie Layer Insertiing through USB 3.0

Simply insert movie clips layer in your boradcasting contents

Mini converter type compact design chracter 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

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ez-CGER VM4

Call to Worship -----

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, pressentation 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

ez-CGER Software

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camocamo

AUGMENTED REALITY, CAMOCAMO



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









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.



BAT-SDSMALL 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.	Тур.	Max	
SDI Input Cable Lenghts					
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	Тур.
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 E	BNC type fema	le
	-			

Output Electrical Specifications

arameter	Min.	Max.	Units	Тур.
C Input Power	7	18	V	
west Power Consumption		2	W	
mensions	131	x 99 x 28.4 (ex	cept connecto	or) mm
eight		3	70g	

22 degrees Celcius. 23

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

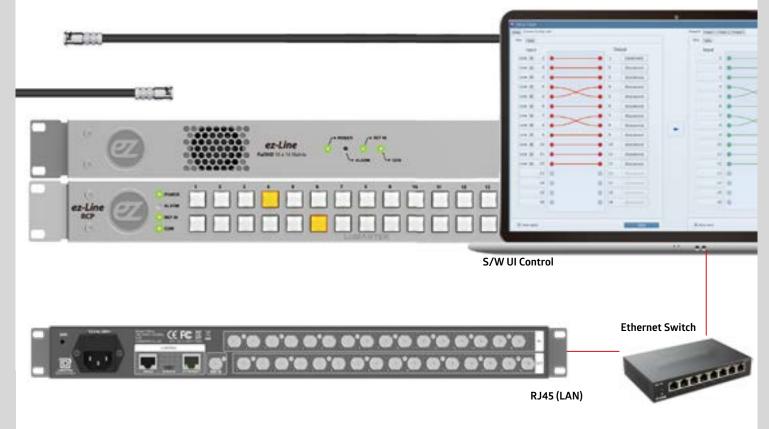
Cost saving simple system
Build for quality in quality out
1 RU / Right size for typical AV setups
Ideal Signal Control Media
Ethernet control (main unit) compatible

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

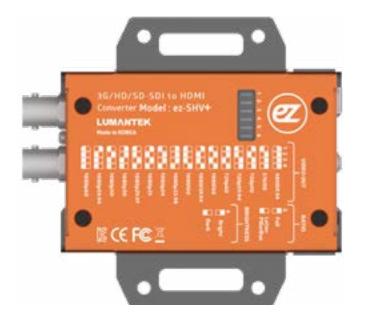


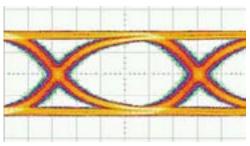
ez-SHV+

CONVERTER WITH DISPLAY











Press the function button to see your video's eye pattern. Now you can check the digital signal quality. video to any resolution ranging from 480i to 1080p



Scalable Resolutions

ez-SHV+ can change the resolution of the incoming by using DIP Switch.



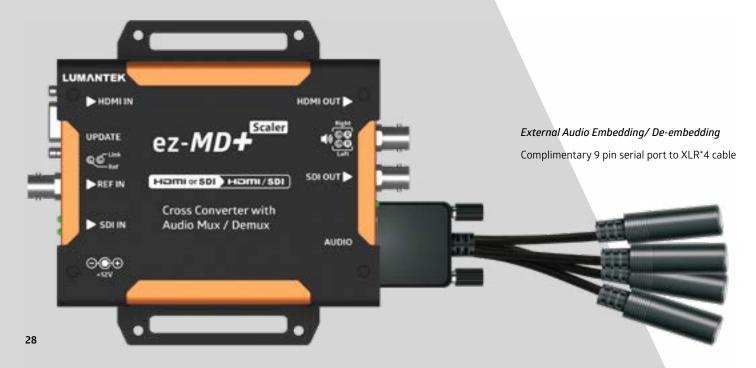
Low Power Consumption

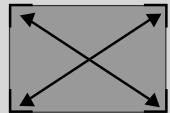
The Maximum power consumption of ez-SHV+ is 3 watts. Operating temperature is 32 to 113°F (0 to 27

ez-md+

HDMI/SDI CROSS CONVERTER

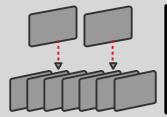
LUMANTEK's ez-MD+ is a compact cross-converter for HDMI to SDI or SDI to HDMI. The genlock system allows synchronizing of signals to combine unpaired output signals. It supports XLR balanced audio support with audio delay controller.





Scalable Resolutions

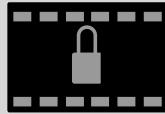
Scaler ez-Converters can change the resolution of the incoming video to any resolution ranging from 480i to 1080p60. Use the 'dip switch' on the side of the converter and match to the right resolution.



Frame Synchronizer

ez-cross

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-Converter

ez-as+

CVBS to 3G/HD/SD-SDI Converter



Input Electrical Specifications

Parameter	Units	Min.	Тур.	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		

Parameter	Units	Min.	Тур.	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



up to 10 units / 2 Power Supplies
(1 rebundant power)
Dimension : 478 mm(w) x 44mm(h) x 350mm(d)





Compatibility with other Brands

ez-hs+

HDMI / VGA to 3G/ HD/ SD-SDI Converter





Input Electrical Specifications

Units	Min.	Тур.	Max
		VGA	
640 x 480	p @60/72/7	5/85	
800 x 600	0p @60/56/7	72/75/85	
1024 x 768	Bp @60/70/7	75/85	
1152 x 864	lp @75		
1280x 720)p@50/60		
1280 x768	3p@60 @60F	RB	
1280 x 80	0p @60		
1280 x 96	0p @60		
1280 x 102	24p @60 /75		
1360 x 768	3p @60		
1440 x 90	0p @60		
1400 x 10	50p @60/75		
1600 x 120	00p @60		
1680 x 104	40p@60		
1920 x 108	30i @50/60		
1920 x 108	30p @24/50	/60	
1920 x 120	00p @60		
-			
•			
-	Type A		
-	D-SUB 15	5 female	
	640 x 480 800 x 600 1024 x 761 1152 x 864 1280 x 762 1280 x 768 1280 x 100 1360 x 761 1440 x 90 1400 x 101 1920 x 100 1920 x 100 1920 x 120 1920 x 120	640 x 480p @60/72/7 800 x 600p @60/56/7 1024 x 768p @60/70/ 1152 x 864p @75 1280 x 768p@60 @60/ 1280 x 768p@60 @60/ 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 1920 x 1200p @60	VGA 640 x 480p @60/72/75/85 800 x 600p @60/56/72/75/85 1024 x 768p @60/70/75/85 1152 x 864p @75 1280 x 720p@50/60 1280 x 768p@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 1920 x 1080i @50/60 1920 x 1080i @50/60 1920 x 1200p @60 - Type A

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.	Тур.	Max
Video formats	<u>'</u>	•		
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 BN	IC type

Output Electrical Specifications

Parameter	Units	Min.	Тур.	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.	Тур.	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.	Тур.	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			

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BAT-Converter





DAI AS (Allalog to	0110 301)
Parameter	Тур.
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-3HS (HDMI to HD-SDI)

Parameter	Тур.
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-SA (HD-SDI to Analog)

Parameter	Тур.
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-3SH(HD-SDI to HDMI)

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 @
1920 x 1080ì @ 50, 1920 x 1080ì @ 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

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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.

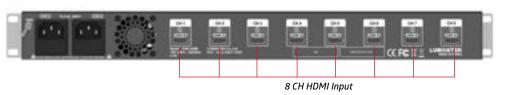


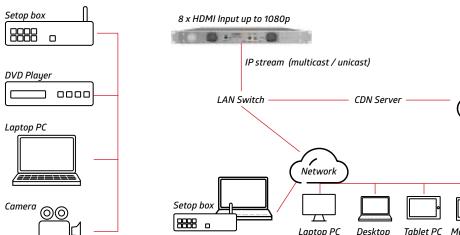
UI - NMS (Network Management System) for EN8











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 laptos can view your videos.

Stereo Audio Encoding

Network

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!

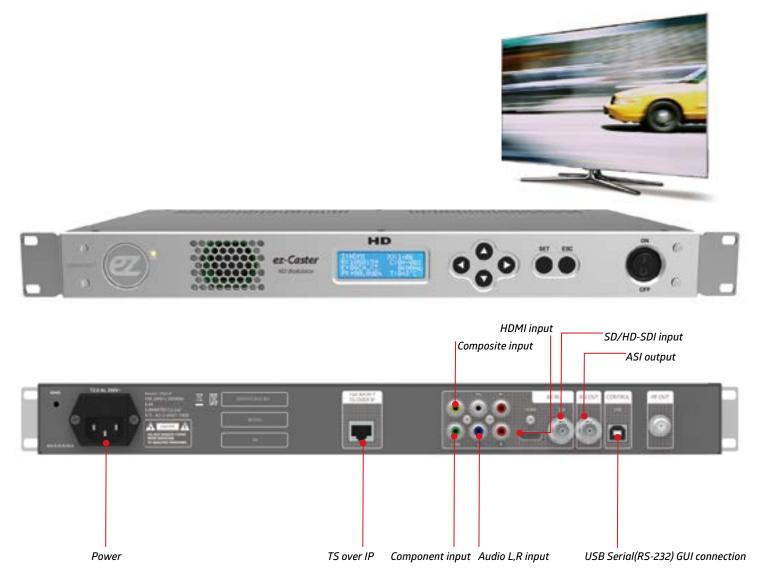
6 Laptop PC Desktop Tablet PC Mobile Setop box

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.





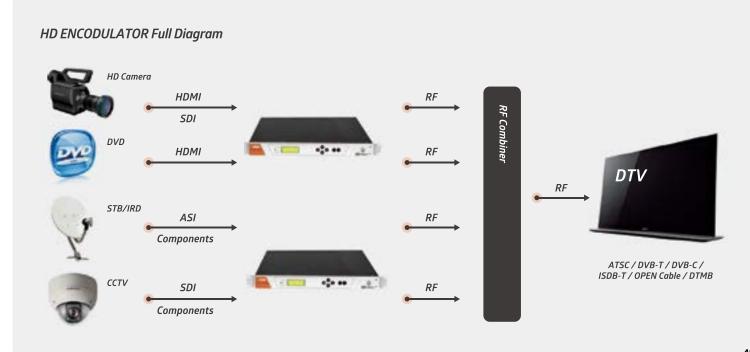
HD Encodulator

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



DTV Analyzer

High-level TS Analyzer/ Recorder/ Player

Realtime and offline analysis with versatile interface IP, ASI, SMPTE, RF, Offline



MPEG Analyzer

Real-time / Offline Analyzing



MPEG Recorder

Real-time Recorder for SMPTE / SDI



MPEG Player

Pre-recorded TS Playback



DVB/ATSC/ QAM-B DTV Analyzer UI



Demodulation 8VSB. OpenCable(640AM, 2560AM)

154mm x 77mm x 29mm

H/W Specifications (ATSC type)

Power USB 2.0 bus powered, no power supply

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 0~108Mbps ASI output bit-rate

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

H/W Specifications (DVB type)

Demodulation DVB-T2. DVB-T. DVB-C

Analysis Mode MPEG-2, ATSC, DVB 7 Analysis Window Tab Service, PID, Table, Service View, RF input connector

Bit-rate, TR 101 290, Table History Closed caption

S/W Specifications (ATSC type)

ASI. SMPTE310M

(Allow when input is ASI, SMPTE310M)

ASI or SMPTE310M

Real-time decoder

TS Input

Recommended system requirements

CPU: better than Intel Core i3 3.1GHz (Sandy Bridge)

RAM: better than 2GB

OS: Window 7

Resolution: bigger than 1680x1050

154mm x 76.8mm x 28.4mm

Power USB 2.0 bus powered, no power supply

75Ω F-Type 1ea ASI input connector 75Ω BNC 1ea ASI output connector 75Ω BNC 1ea 0~108Mbps ASI input bit-rate

RF Input Frequency Range 40 ~ 1002 MHz DVB-T2:+5~-78 dBm RF Input Level

> DVB-T:+7~-83 dBm DVB-C:+2~-67 dBm

Closed caption Real-time decoder

TS Input

Recommended system requirements

CPU: better than Intel Core i3 3.1GHz

S/W Specifications (DVB type)

ASI.SMPTE310M.File. IP

ASI or SMPTE310M

(Allow when input is ASI, SMPTE310M)

Analysis Mode MPEG-2,ATSC,DVB

Bit-rate, TR 101 290, Table History

(UDP/Ts or UDP/RTP/TS),RF

7 Analysis Window Tab Service, PID, Table, Service View,

(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)



Interface Alarm IP/ ASI/ SMPTE/ RF/ Off-line

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