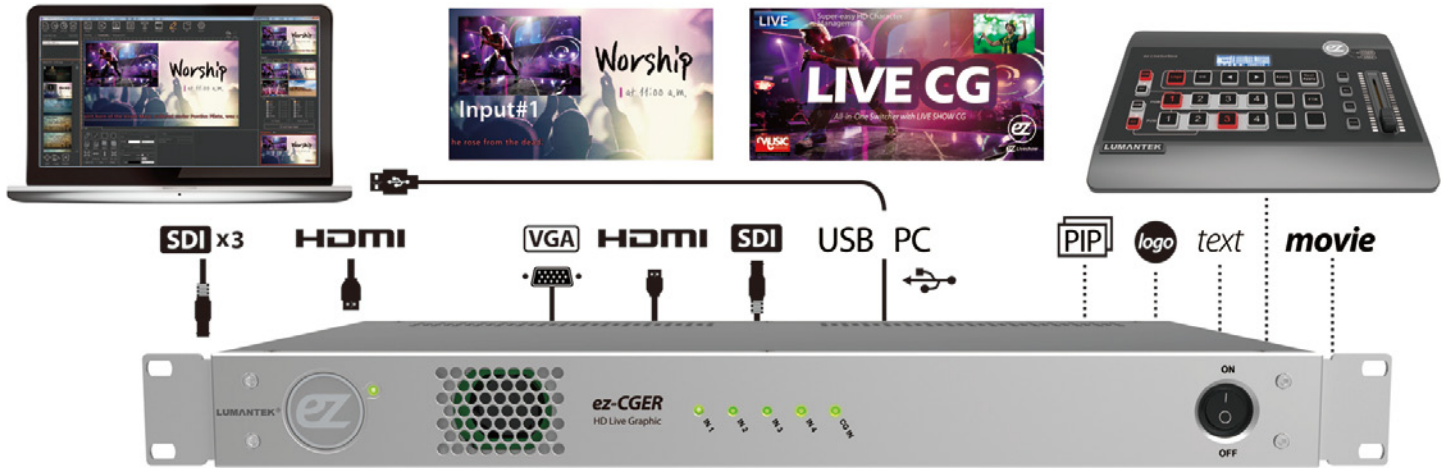


Live Graphic on HD Video Switcher **ez-CGER**



ez Liveshow **HDMI™** **HD** **VGA**

Webcasting, House of Worship, Education, Live event & Seamless video conference



x1 VGA x1 HDMI x1 SDI Output

x4 SDI Input / x2 HDMI x2 SDI Input



Video Matrix Switcher **ez-Pro**

6x4 Seamless Video Switcher / Fill & Key

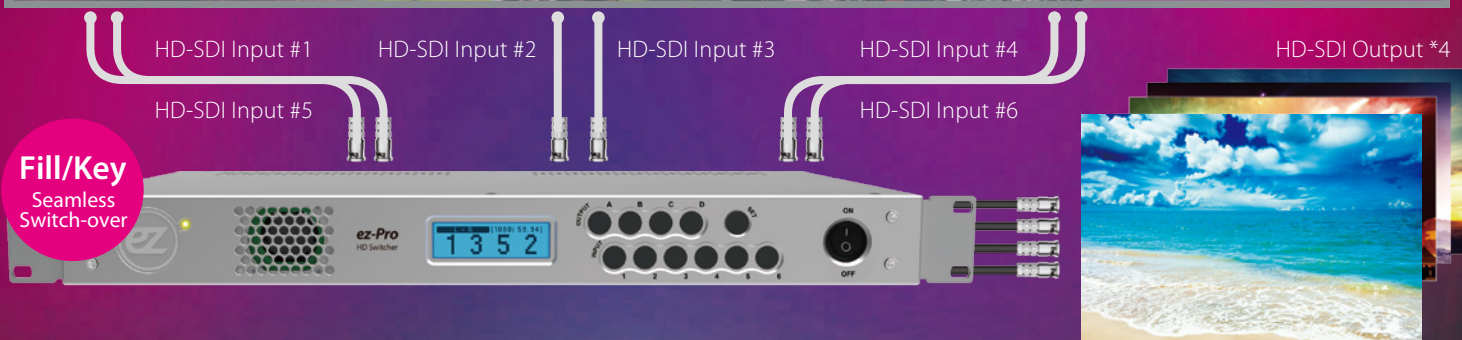


Full HD 16x16 Matrix **ez-Line**

Control Console **ez-LiveSurface**



House of Worship, Education, Live events
& Seamless HD Broadcasting





by LUMANTEK



ez-CGER Software UI
USB 3.0 Connection

ez-CGER Features

- 4 SDI & 2 HDMI Input
- CG inserter via USB 3.0 Control (Fill & Key) with 4 x 1 Multi-view output
- Seamless Channel Switching
- Input Signal Synchronization
- External Audio Multiplexing (XLR, L/R supported)
- Transition Effects (Mix, Wipe)
- Simultaneous HDMI and VGA output via HD-SDI Scaler
- RS-422 H/W console connectivity

ez-CGER Output

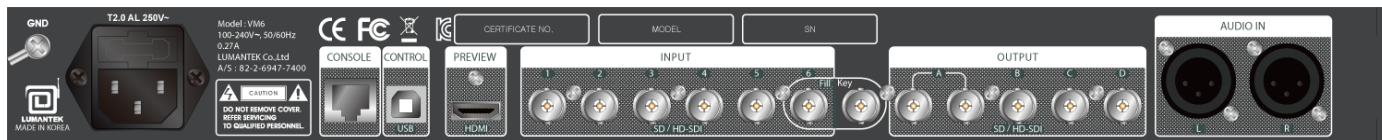
SPECIFICATIONS : ez-CGER (LIVE CG Switcher:model-VM4)

ITEM	Description
Input	<ul style="list-style-type: none"> • Video Input: HD-SDI x4, HDMI x2 • Fill & Key Input: USB 3.0 x1 • Audio Input: Stereo XLR x2 • Control: RS-422 for Console
Output	<ul style="list-style-type: none"> • Video Output: SDI x1 • Scaled Video Output: HDMI x1, VGA x1 • Multiview(4x1) Output: USB 3.0 x1
USB Devices	<ul style="list-style-type: none"> • USB3.0 Video Streamer Device: Fill & Key Input, Multiview Output • USB2.0 USB to Serial(COM Port) Device: Control • USB2.0 USB to SPI Device: Firmware Update
System Requirement	<ul style="list-style-type: none"> • OS: Windows 7, Windows 8, Windows10, 64bit • CPU: Intel i7 4790 & above • GPU: Nvidia GeForce GTX 750 & above • USB 3.0 Host Controller
Internal Video Processing	<ul style="list-style-type: none"> • Video Switcher: YCbCr 4:2:2 10bit • Fill & Key Input: RGBA 4:4:4:4 8bit • Multiview Output: YCbCr 4:2:2 8bit
Resolution Supported	<ul style="list-style-type: none"> • 1280x720p@60/59.94/50 • 1920x1080i@60/59.94/50 • 1920x1080i@30/29.97/25 • 1920x1080p@60/59.94/50 converted to 1920x1080i automatically
Management	<ul style="list-style-type: none"> • Status LED @ Front: Easy to Identify Device Status • USB @ Rear: Easy to use GUI application, Firmware Update
Physical	<ul style="list-style-type: none"> • Dimension: 44(H) X 483(W) X 240(D) (excluding connectors) • Operation Temperature: 0~40 °C • Weight: 3.1 kg • Power Consumption: 30W(max.)

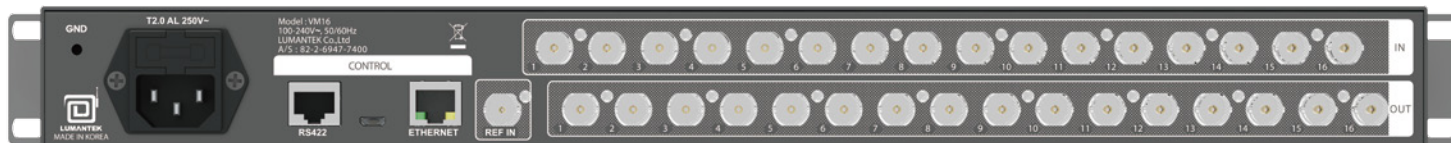


Control Console **ez-LiveSurface**

ez-Pro 6x4 Matrix Switcher Rear ▼



ez-Line 16x16 Matrix Router Rear ▼



ez-Line 16x16 Matrix Router Software UI ►

- 3G/HD/SD-SDI, IN/OUT 16 Port
- Automatic Equalization
- Reference Input Port
- Remote Control Panel through RS-422 Port
- Ethernet Support



ez-Pro 6x4 Seamless Matrix Switcher(model:VM6)

Input

Video Input: SD/HD-SDI(BNC 75Ω) x6

Fill Input(Optional): SD/HD-SDI(BNC 75Ω) x1

Key Input(Optional): SD/HD-SDI(BNC 75Ω) x1

Audio Input: Stereo XLR x2

Output

Video Output: SD/HD-SDI(BNC 75Ω) x4

Multiview Output: HDMI x1, (1080P @60/50, 720p @ 60/50, 576P @50, 480P @60)

Internal Processing: 4:2:2 10bit

Resolution supported

1920 x 1080i @ 59.94/60/50

1280 x 720p @ 59.94/60/50

720 x 576i @ 50 (625i)

720 x 480i @ 59.94 (525i)

Management

Control Buttons @ Front: Input select x6, Output select x4, Menu select x1

LCD @ Front: Status & Control

LED @ Front: Easy to Identify Device

Status

USB @ Rear: Easy to use GUI application, Firmware Update

Physical

Dimension:44(H) X 483(W) X 240(D)(excluding connectors)

Power Input: 115~240VAC @ 50/60Hz, Operation Temperature: 0~40℃

Power Consumption: 30W(max.), Weight: 3.1 kg

ez-Line 16x16 SDI Router (model:VM16)

Data Input

SDI Video Input: SD/HD/3G-SDI (BNC 75Ω) x16

Reference Input: B.B , TRI (BNC 75Ω) x1

Data Output

SDI Video Input: SD/HD/3G-SDI (BNC 75Ω) x16

Connections

Remote Control: RS-422 (RJ45)x1

Ethernet: TCP-IP (RJ45)x1

Update: Debug (Micro-USB)x1

Electrical

Power Input: 100~240VAC @ 50/60Hz

Power Consumption: 18W(max.)

Operation Temperature: 0~40℃

Physical

Dimension: 44(H) X 483(W) X 240(D)

Weight: 2.0 kg