

# ez Converter

With Affordable Up/Down Scaler



low power consumption



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

|                        | VGA                                                                                                                                                   | HDMI                                                                                                                                                                                                                                                                                |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input Format     | <ul style="list-style-type: none"> <li>640x480</li> <li>800x600</li> <li>1024x768</li> <li>1280x1024</li> <li>1600x1200</li> <li>1920x1080</li> </ul> | <ul style="list-style-type: none"> <li>720x480i@59.94/60, 720x576i@50</li> <li>1280x720p@50, 1280x720p@59.94/60</li> <li>1920x1080i@50, 1920x1080i@59.94/60</li> <li>1920x1080p@23.94/24, 1920x1080p@25, 1920x1080p@29.97/30</li> <li>1920x1080p@50, 1920x1080p@59.94/60</li> </ul> |
| Video Output Format    |                                                                                                                                                       | <ul style="list-style-type: none"> <li>720x480i@59.94/60, 720x576i@50</li> <li>1280x720p@50, 1280x720p@59.94/60</li> <li>1920x1080i@50, 1920x1080i@59.94/60</li> <li>1920x1080p@23.94/24, 1920x1080p@25, 1920x1080p@29.97/30</li> <li>1920x1080p@50, 1920x1080p@59.94/60</li> </ul> |
| Video Aspect Ratio     |                                                                                                                                                       | <ul style="list-style-type: none"> <li>Full</li> <li>Center Cut</li> <li>Letter Box</li> <li>14:9 Center Cut</li> </ul>                                                                                                                                                             |
| Audio Input Connector  | 3.5 mm Stereo Jack x 1                                                                                                                                |                                                                                                                                                                                                                                                                                     |
| Video Input Connector  | HDMI(Type A) x 1<br>VGA x 1                                                                                                                           |                                                                                                                                                                                                                                                                                     |
| Video Output Connector | BNC x 2                                                                                                                                               |                                                                                                                                                                                                                                                                                     |
| DC Input Power         | 7V ~ 18V                                                                                                                                              |                                                                                                                                                                                                                                                                                     |
| Power Consumption      | < 3W                                                                                                                                                  |                                                                                                                                                                                                                                                                                     |
| Dimensions             | 131 x 98.8 x 28.4 mm                                                                                                                                  |                                                                                                                                                                                                                                                                                     |



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

|                        |                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input Format     | <ul style="list-style-type: none"> <li>NTSC(720x480i@59.94/60)</li> <li>PAL(720x576i@50)</li> </ul>                                                                                                                                                                                 |
| Video Output Format    | <ul style="list-style-type: none"> <li>720x480i@59.94/60, 720x576i@50</li> <li>1280x720p@50, 1280x720p@59.94/60</li> <li>1920x1080i@50, 1920x1080i@59.94/60</li> <li>1920x1080p@23.94/24, 1920x1080p@25, 1920x1080p@29.97/30</li> <li>1920x1080p@50, 1920x1080p@59.94/60</li> </ul> |
| Audio Input Connector  | 6.35mm(1/4") Phone Jack(Balanced) x 2                                                                                                                                                                                                                                               |
| Video Input Connector  | BNC x 1                                                                                                                                                                                                                                                                             |
| Video Output Connector | BNC x 2                                                                                                                                                                                                                                                                             |
| DC Input Power         | 7V ~ 18V                                                                                                                                                                                                                                                                            |
| Power Consumption      | < 3W                                                                                                                                                                                                                                                                                |
| Dimensions             | 131 x 98.8 x 28.4 mm                                                                                                                                                                                                                                                                |



## ez-sh 3G/HD/SD-SDI to HDMI Converter

Video  
Input/Output  
Format

- 720x480i@59.94/60, 720x576i@50
- 1280x720p@50, 1280x720p@59.94/60
- 1920x1080i@50, 1920x1080i@59.94/60
- 1920x1080p@23.94/24, 1920x1080p@25, 1920x1080p@29.97/30
- 1920x1080p@50, 1920x1080p@59.94/60

|                        |                       |
|------------------------|-----------------------|
| Audio Sample Rate      | 48KHz                 |
| Video Input Connector  | BNC x 1               |
| Video Output Connector | HDMI(Type A) x 1      |
| DC Input Power         | 5V ~ 18V              |
| Power Consumption      | < 2W                  |
| Dimensions             | 86.4 x 66.8 x 28.4 mm |



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

Video  
Input/Output  
Format

- 720x480i@59.94/60, 720x576i@50
- 1280x720p@50, 1280x720p@59.94/60
- 1920x1080i@50, 1920x1080i@59.94/60
- 1920x1080p@23.94/24, 1920x1080p@25, 1920x1080p@29.97/30
- 1920x1080p@50, 1920x1080p@59.94/60

|                        |                       |
|------------------------|-----------------------|
| Audio Sample Rate      | 48KHz                 |
| Video Input Connector  | HDMI(Type A) x 1      |
| Video Output Connector | BNC x 2               |
| DC Input Power         | 5V ~ 18V              |
| Power Consumption      | < 2W                  |
| Dimensions             | 86.4 x 66.8 x 28.4 mm |

1x SDI Input



4x SDI Output

## BAT-SD

1 X 6 HD-SDI Reclocking Distribution Amplifier

2x SDI Output

### Input Electrical Specifications

| Parameter               |                       | Min.                       | Max. | Units | Typ. |
|-------------------------|-----------------------|----------------------------|------|-------|------|
| 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)    | 75ohm, 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)              | 75ohm, 1 x BNC type female |      |       |      |

| 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                   |  | 370 g                                 |      |       |      |