



Model NO.: **PG4K**  
 SDI and fiber signals with all video formats up to 4096x2160/60p  
 SDI signal supports Single/Dual/Quad Links

**12G-SDI**  
**12G-SFP**    **4K HDMI**    **Metal Housing**

Built-in 5000mAh battery with about 2.5 hours working time.

## Pattern Measurement

To test color temperature and gray scale of monitor with various types of patterns, such as color bar, monochrome display and customized pictures.



**Preset & importable patterns**

**Custom**  
 Free to create any color picture, based on two different color space - RGB or YCbCr.

**Picture**  
 Built-in a plenty of preset patterns, and user-definable pictures imported to the generator to meet various test requirements.



## Signal Compatibility

Supports SD, HD, 3G, 6G, 12G-SDI and 4K HDMI signals; SDI, Fiber and HDMI signals up to 4K 60Hz. SDI conversion among of different link structures, SQ and 2SI.



- Mode**  
**Mode Options**  
 Selection among of 12G-SDI/6G-SDI/3G-SDI/HD-SDI/SD and HDMI signal formats.
- Raster**  
**Raster Options**  
 Different resolutions options corresponding to different Modes.
- Refresh**  
**Refresh Options**  
 Different refresh rates corresponding to different Modes & Raster.
- Sampling**  
**Sampling Options**  
 Different GBR & YCbCr sampling rates based on the above options.
- Range**  
**Range Options**  
 Color range can be changed between limit and full.

## Audio Output

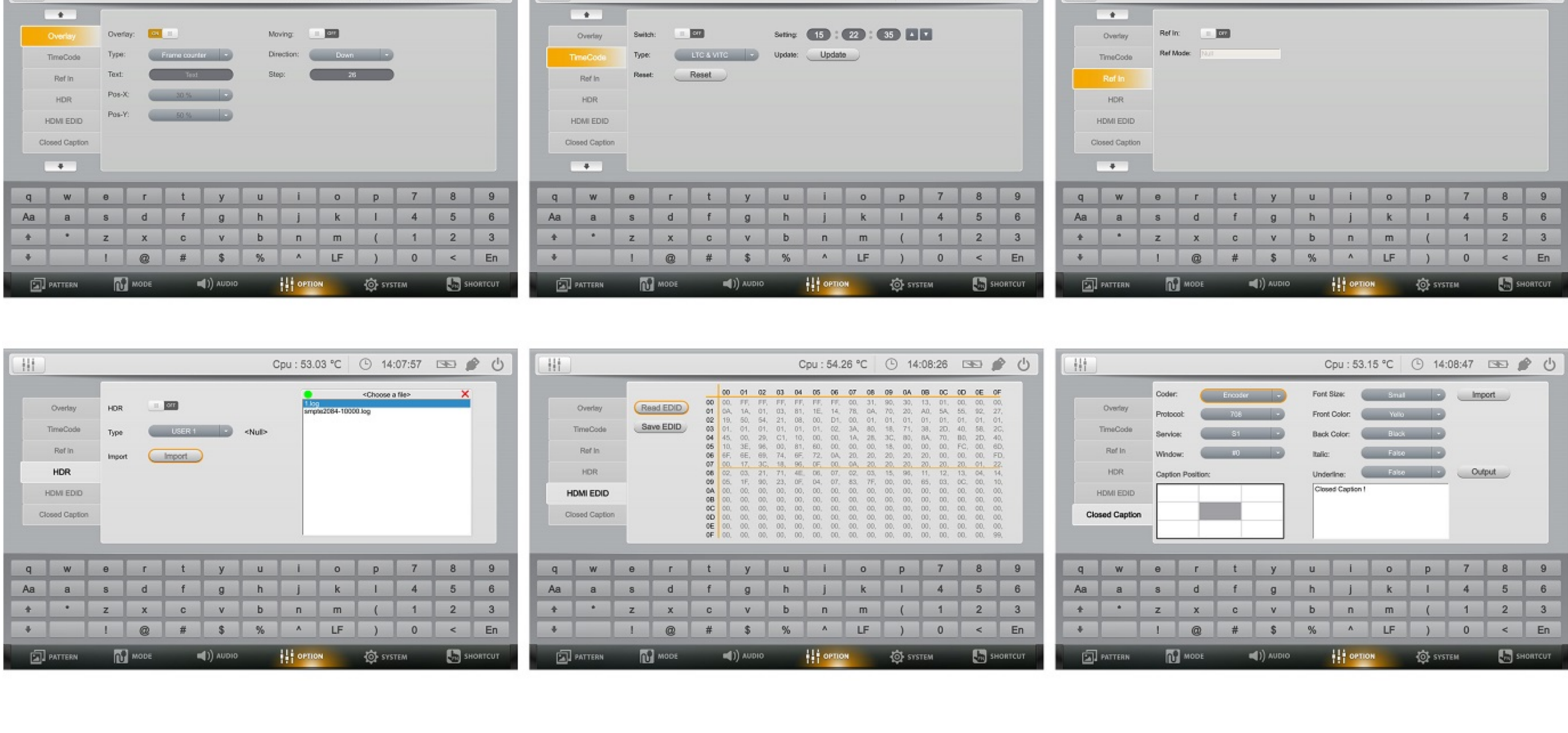
A comprehensive audio output tool supports up to 8 or 16 channels embedded AES/EBU audio, with -60dB to 0dB range. And a 20 to 20000 frequency.



- Channel**  
**Channel Options**  
 16-channel SDI audio ranges from CH3 to CH15 for optional. 8-channel HDMI audio ranges from CH1 to CH8 for optional.
- Phase**  
**Phase Options**  
 Options among of 0, 90, 180 and 270 for phase.
- DB(-)**  
**DB(-) Options**  
 Freq options can be customized from -60dB to 0dB by users.
- Switch**  
**Switch Options**  
 Off, On, All Off and All On are optional for 8 or 16-channel audio switch.
- Freq**  
**Frequency Options**  
 Freq options can be customized from 20 to 20000 by users.

## Option Auxiliary

For solutions with various applications, the "Option" of device offers Overlay, Timecode, Ref In, HDR, EDID and Closed Caption functions for users to analyse different signals and formats.



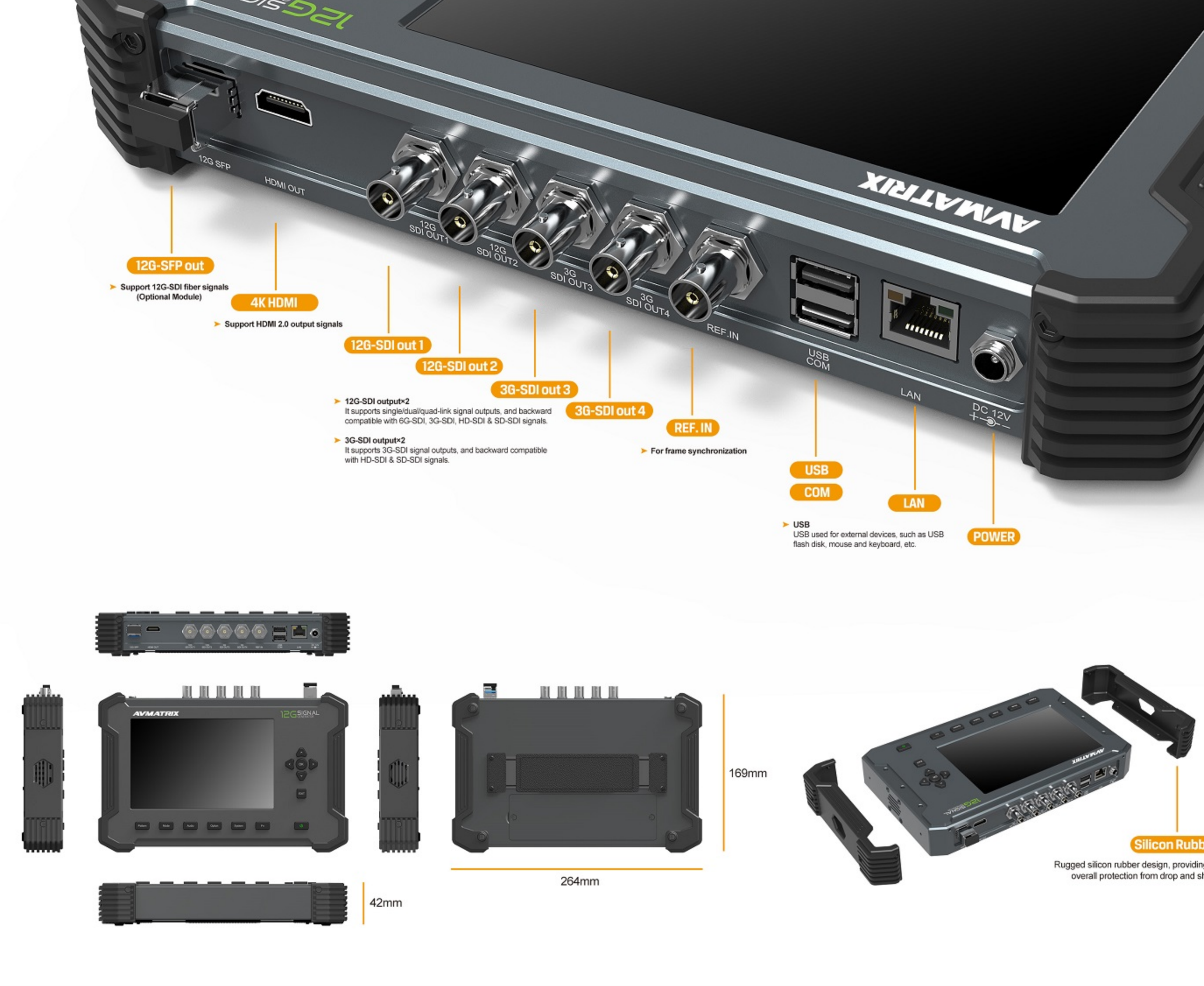
- Ring Type**  
 Ring type for optional under Overlay function.
- Character Type**  
 Character type for optional under Overlay function. Text input will be displayed based on the specific X and Y axis that can be preset.
- Frame Counter Type**  
 Frame counter type for optional under Overlay function.
- Closed Caption**  
 Test whether the display device supports hidden subtitles. Support CEA 708.
- Moving Direction**  
 The moving of 3 bytes can be customized with 4 directions and preferred steps.
- Time Code**  
 Supports Linear time code(LTC) and Vertical interval time code(VITC).
- Ref In**  
 The output signal formats of HDMI and SDI can be synchronized to the imported signal.
- HDR**  
 Supports HLG and SMPTE protocol types, can also import up to 10 custom HDR types.
- HDMI EDID**  
 After HDMI signal is connected, it can read information about the signal of HDMI port.



## FN (Shortcut)

User-definable functions as shortcuts with great convenience.

- Function Shortcut**  
 Supports more than one hundred shortcut functions. For time-saving and high efficient when testing, users can manage shortcut functions through Add, Del, Replace and Output operations.



## SPECIFICATIONS | ACCESSORIES

<b>DISPLAY</b>	Display Screen	7" IPS
	Physical Resolution	1280x800
	Aspect Ratio	16:10
	Brightness	400cd/m <sup>2</sup>
	Contrast	800:1
	Viewing Angle	178°/178°(H/V)
<b>INPUT</b>	REF	1
	USB	2
	12G-SDI	2
	3G-SDI	2
<b>OUTPUT</b>	HDMI	1
	FIBER	1 (Optional Module)
<b>POWER</b>	Current	≤2.3 (12V)
	Input Voltage	DC10-15V
	Power Consumption	≤27W
	Built-in Battery	5000mAh
<b>ENVIRONMENT</b>	Operating Temperature	-10°C ~ 60°C
	Storage Temperature	-30°C ~ 70°C
<b>DIMENSION</b>	Dimension(LWD)	264×169×42mm
	Weight	3kg

12G-SDI Signal Format			
Single-link 12G ST 2082-10 Mode 1	4096×2160	23.98p/24p/25p/29.97p/30p	GBR 4:4:4 10bits
Dual-link 2x6G ST 2081-11 Mode 1			GBR+A 4:4:4:4 10bits
Quad-link SQ/2SI 4x3G-SDI Level A/Level B ST 425-5	3840×2160	47.95p/48p/50p/59.94p/60p	YCbCr 4:4:4 10bits
			YCbCr 4:4:4 12bits
			YCbCr 4:2:2 12bits
			YCbCr 4:2:2 10bits
Backward compatible with 6G-SDI/3G-SDI/HD-SDI/SDI signal formats			
HDMI Signal Format			
HDMI 2.0	4096×2160	23.98p/24p/25p/29.97p/30p	
	3840×2160	47.95p/48p/50p/59.94p/60p	
Backward compatible with Full HD/HD/SD signal formats			

