

Model NO.:

PG4K

SDI and fiber signals with all video formats up to 4096×2160/60p
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.





Mode

Mode Options

Selection among of 12G-SDI/6G-SDI/3G-SDI/HD-SDI/SD-SDI 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.

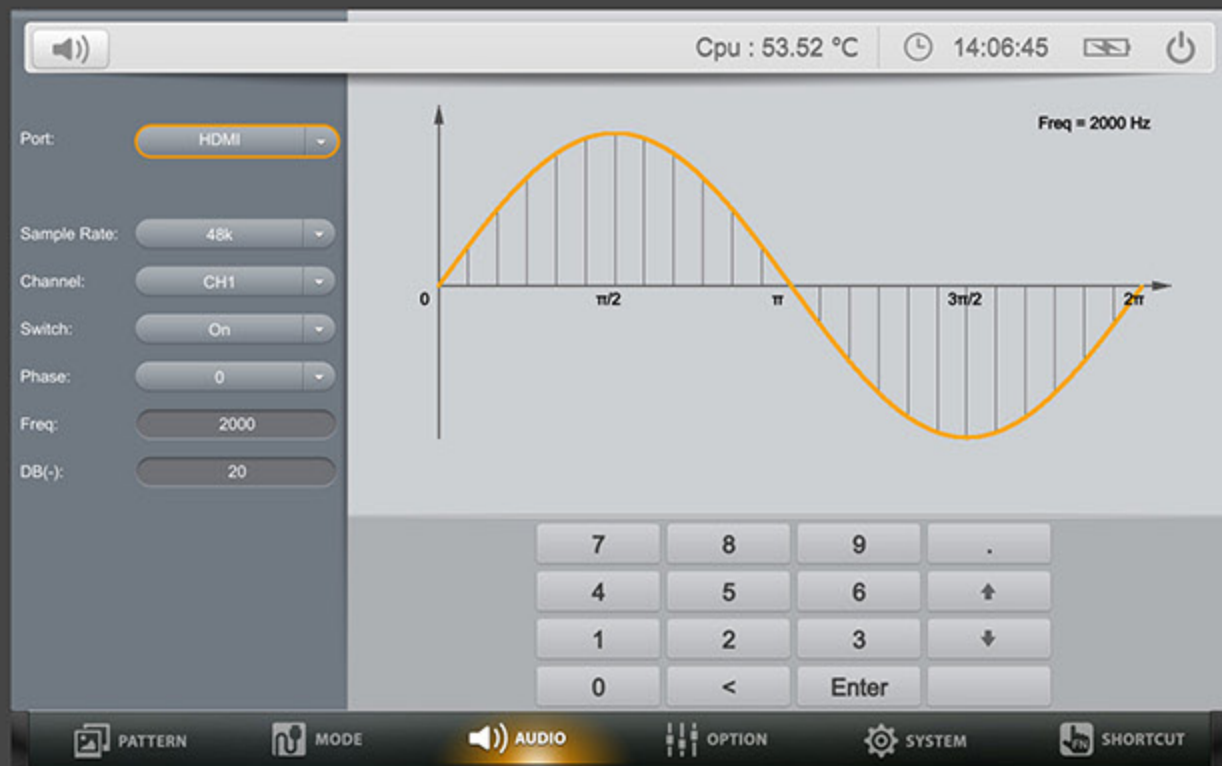
Signal Compatibility

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, SQD and 2SI.



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 CH0 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.

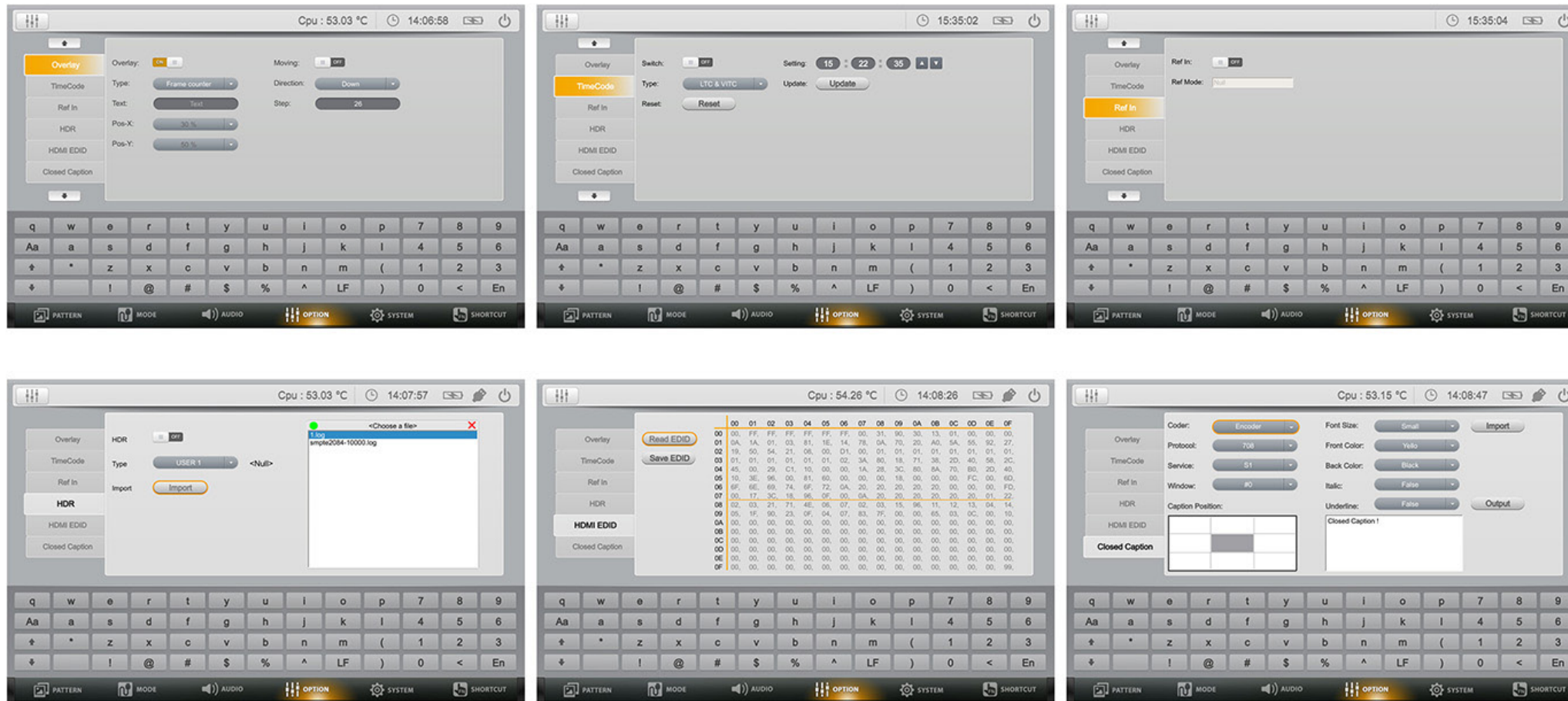
Freq

Frequency Options

Freq options can be customized from 20 to 20000 by users.

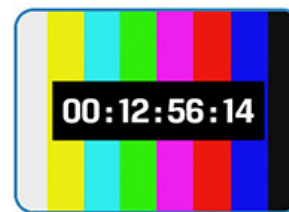
Option Auxiliary

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.



Frame Counter Type

Frame counter 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.



Closed Caption

Test whether the display device supports hidden subtitles. Support CEA.708.



Moving Direction

The moving of 3 types 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.



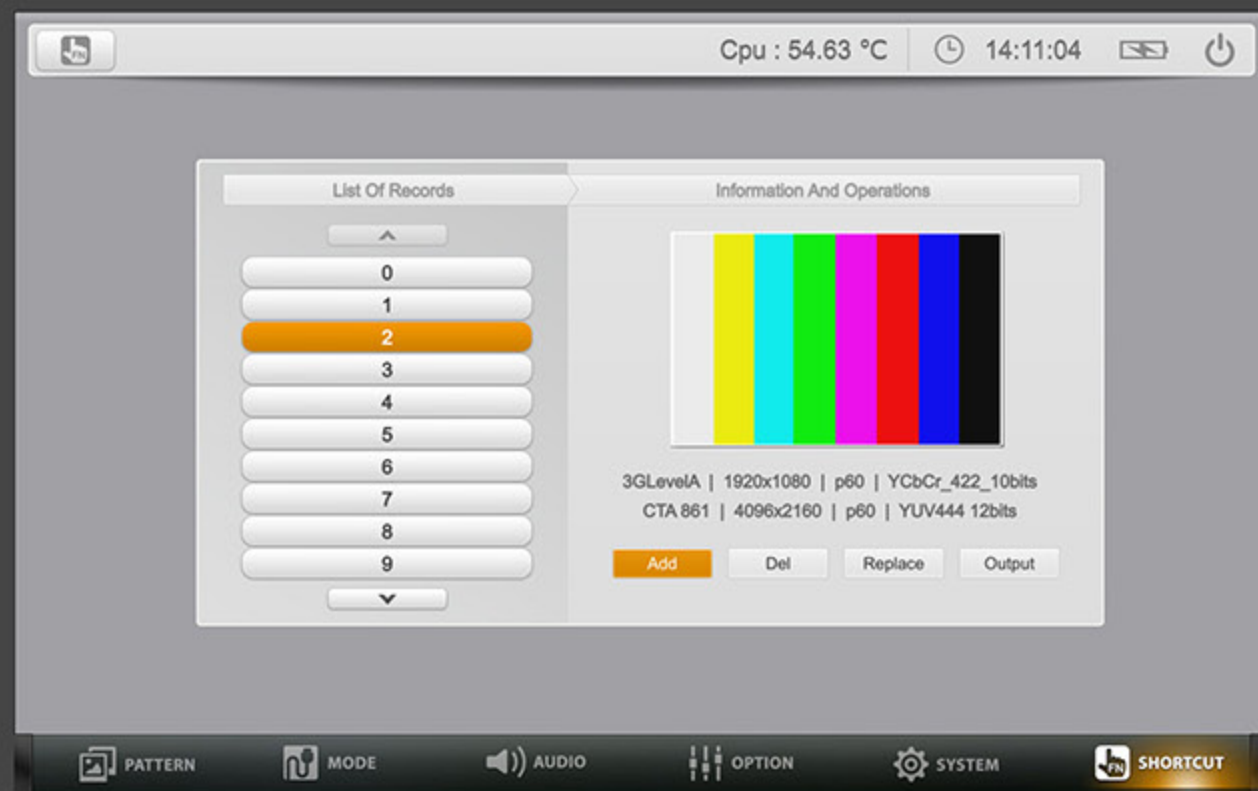
HDR

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.



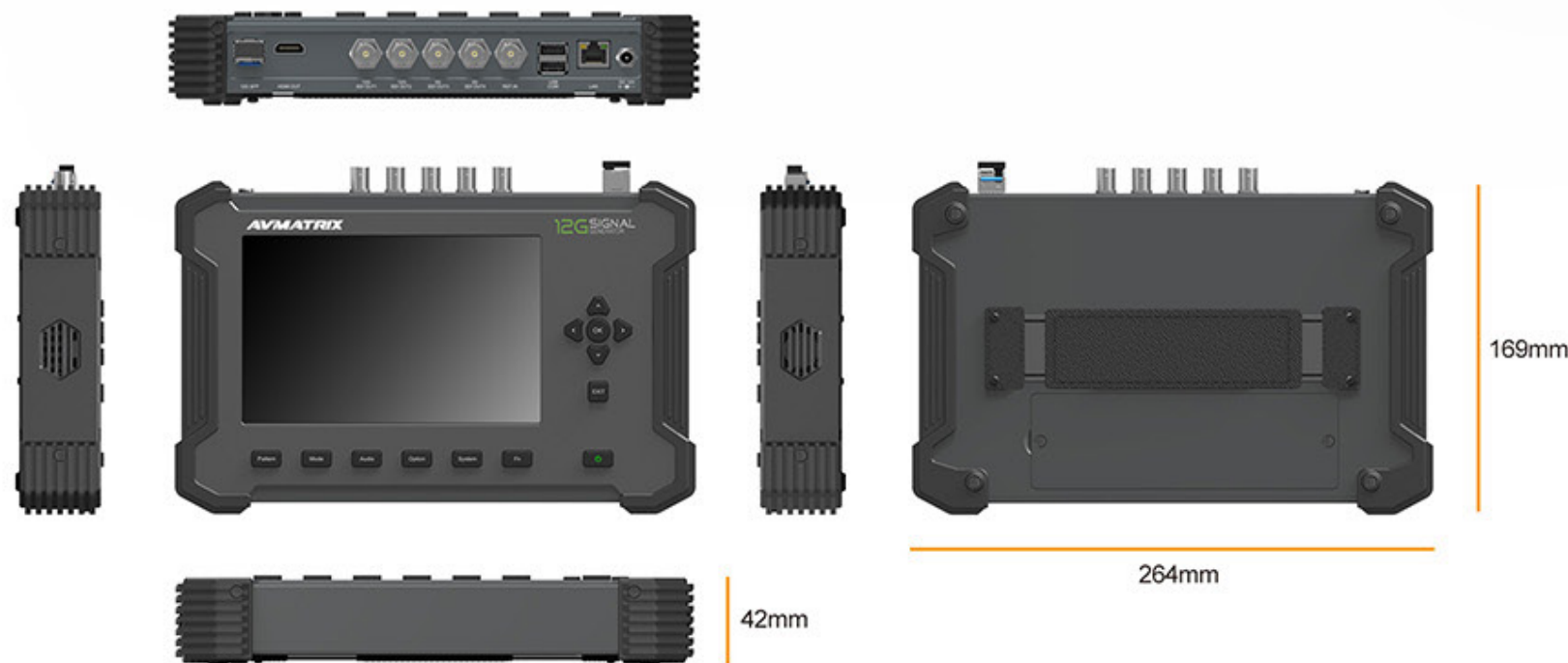
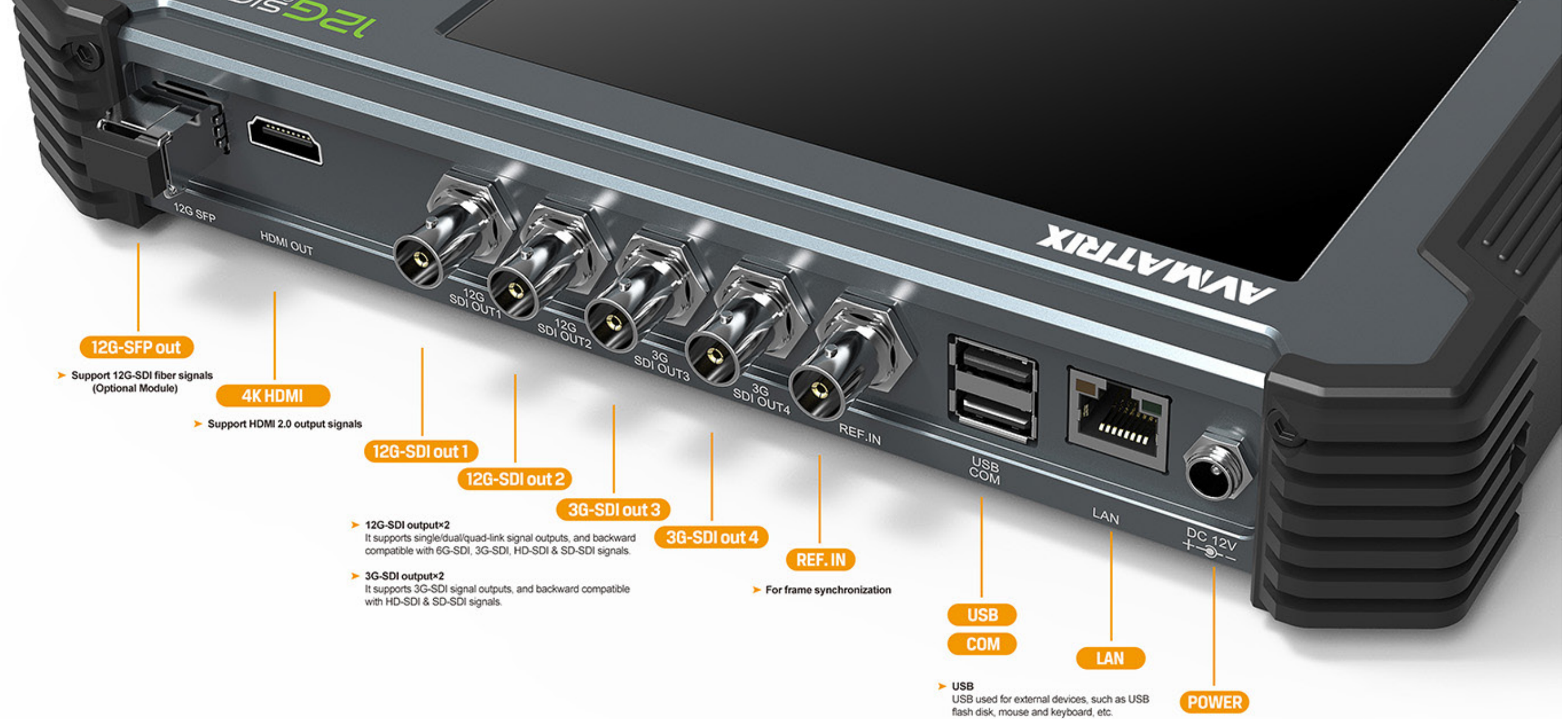
FN (Shortcut)

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

DISPLAY	Display Screen	7" IPS
	Physical Resolution	1280×800
	Aspect Ratio	16:10
	Brightness	400cd/m²
	Contrast	800:1
	Viewing Angle	178°/178°(H/V)
INPUT	REF	1
	USB	2
OUTPUT	12G-SDI	2
	3G-SDI	2
	HDMI	1
	FIBER	1 (Optional Module)
POWER	Current	≤2.3 (12V)
	Input Voltage	DC10-15V
	Power Consumption	≤27W
	Built-in Battery	5000mAh
ENVIRONMENT	Operating Temperature	-10℃ ~ 60℃
	Storage Temperature	-30℃ ~ 70℃
DIMENSION	Dimension(LWD)	264×169×42mm
	Weight	3kg

Note: Due to constant effort to improve products and product features, specifications may change without notice.

12G-SDI Signal Format

Single-link 12G ST 2082-10 Mode 1 Dual-link 2×6G ST 2081-11 Mode 1 Quad-link SQD & 2SI 4×3G-SDI Level A/Level B ST 425-5	4096×2160	23.98p/24p/25p/29.97p/30p	GBR 4:4:4 10bits
			GBR+A 4:4:4:4 10bits
			YCbCr 4:4:4 10bits
			YCbCr+A 4:4:4:4 10bits
	3840×2160	47.95p/48p/50p/59.94p/60p	GBR 4:4:4 12bits
			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

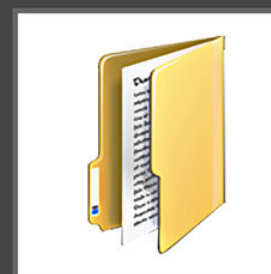
Backward compatible with Full HD/HD/SD signal formats



12V 3A Power Adapter



Water-Proof Suitcase



User Manual



Fiber Module (Optional)