



Video Processor

TF-BBLHD



Description

A two-in-one control server that integrates video processing and video control functions. It has high-definition image processing capabilities, powerful video processing and transmission capabilities, can adapt to complex operating environments, and is widely used in mid-to-high-end rental, stage control and engineering small-pitch LED display fields.

Features

- *Maximum load: 3.9MP, maximum width: 10240 pixels, maximum height: 8192 pixels;
- *With 3.5mm independent audio input and output;
- *Ability to save and call 256 custom scenes;
- *Equipped with 6 independent windows, the window size and position can be adjusted separately;
- *Features OSD functionality, enabling text, image, weather, and time display.
- *Offers personalized screen scaling modes, including point-to-point mode, full-screen scaling, and custom scaling.
- *Supports one-click full-screen scaling.
- *Allows arbitrary input source capture.
- *Features point-to-point brightness and color correction.
- * Supports USB flash drive playback for plug-and-play convenience.
- *Supports 3D functionality, enabling 3D display effects via Ethernet with a 3D transmitter and 3D glasses.
- *Supports B/S and C/S terminal management;



Specification

Input interface	
HDMI2.0×1	Maximum supported input resolution is 3840×2160@60Hz, custom resolution is supported, HDCP 1.4 and HDCP 2.2 are supported, and accompanying audio input is supported.
HDMI1.3×2	Maximum supported input resolution is 1920×1080@60Hz, custom resolution is supported, HDCP 1.4 is supported, and accompanying audio input is supported.
3G-SDI×1	Maximum supported input resolution of 1920×1080@60Hz, and supports ST-424 (3G), ST-292 (HD) and ST-259 (SD) standard video source input
AUDIO×1	Supports 3.5mm standard audio input
Output interface	
Port×6	RJ45, 6-channel Gigabit Ethernet output
AUDIO×1	Supports 3.5mm standard audio output
HDMI2.0×1	HDMI loopback output interface
3G-SDI×1	3G-SDI loopback output interface
HDMI 1.3×1	Used for previewing output images; fixed output resolution 1920×1080@60Hz
OPT×2(Optical)	2-channel 10G fiber optic interfaces: OPT1 optical port is adaptive for both input and output; OPT2 optical port is for output only, supporting both copy and backup modes during output
3D interface×1	Using a 3D transmitter and matching 3D glasses, it achieves a 3D display effect
Front panel introduction	
LCD (2.0 inch)	Resolution: 320×240, displays current device status and menu
Knob	Menu selection, parameter adjustment, and confirmation operations
Back button	Exit current menu or cancel operation
Layer control button	Layer on/off and layer status display
Button indicator light	Quick operation and status display for input source
Function shortcut key	Scene settings menu button, test screen settings menu button, freeze/thaw output screen button, custom function button
USB (square port) x1	Connect to control computer for device debugging
USB 3.0×1	Supports USB flash drive playback
Control interface	
ETHERNET×2	Connect to host computer for cascaded input or output.
USB2.0×1	Upgrade device firmware via USB flash drive.
Rs232×1	3-pin central control interface for connecting central control device.
GENLOCK IN-LOOP×1	External synchronization signal source
LIGHT SENSOR×1	Connect the light probe to achieve automatic adjustment of the screen brightness.
Operating power supply	AC100V~240V , 50/60Hz
Equipment dimensions	482.6mm×302.2mm×50.1mm (Length × Width × Height)
Equipment net weight	3.9Kg
Rated power	43W