onbon 仰邦科技

G20 specification

Version：V1.0　　Date：2024.3.26

Instruction

OVP-G20 8K Ultra HD video controller is designed to meet the demanding requirements for video switching large-scale stage performances, because the input can reach 4K ultra-high resolution, the output can reach 8Kx2K ultra-high resolution, so it can provide stunning and extremely clear images for 8K ultra-high resolution large-scale stage LED background wall.In addition, due to the integrated 20-way Gigabit network output interface, it not only improves reliability, but also brings great convenience to remote maintenance of LED display.

Functions

- Single device can load 13.1 million pixels, the maximum horizontal 16,376 pixels, the maximum vertical 16,376 pixels;
- Integrates 20 Gigabit network output interface;
- Open up to 6 display windows to realize layer overlay and roaming;
- With monitoring output port, monitoring screen can be output to LED screen;
- Support HDMI custom input resolution;
- Supports high dynamic range HDR10 video source output, wider color gamut, higher contrast, and improved details of light and dark parts of the picture, giving you a clear and immersive visual experience.
- All input signal sources and output modes can be quickly and seamlessly switched or fade-in and fade-out switching;
- Supports 2 channels 4Kx2K@60Hz, support custom resolution;
- Standard RS232 control interface, can access the central control equipment;
- Support input and output screen hot backup function;
- Pre-store 16 kinds of user modes for users to quickly call;
- Standard match with a 2.8" LCD screen and multilingual menu interface (Chinese, English, Russian, Vietnamese).

Apparent instruction

Front panel

Interface	
1	Power switch
2	2.8 "color LCD screen, resolution 320*240

Back panel

Power supply	
Input voltage	100-240V

Video input	
EXT	Extended input, the default is HDMI, can be optional 3G SDI or wireless screen projection input
HDMI1-HDMI3	HDMI 1.3 digital HD signal input port
HDMI2.0	HDMI2.0 digital HD signal input port
DP	VESA standard：3840×2160@60Hz backward compatibility ， DP1.2

Video output	
OUT1 – OUT20	20 Gigabit network port output, through the network cable connected to the LED display, directly connected to the receiving card
Audio input/output	
HDMI audio	The HDMI video input port is embedded
AUDIO-OUT	Analog audio output port for selected input source audio.

Control interface	
COM	USB control interface
LAN	Network control interface
USB	USB2.0, support HD 1080p@30fps or 720p@60fps content U disk playback ,Supports three modes: video playback, picture playback, video and picture mixed playback
RS232	Serial port control port for connecting to the central controller

Parameters

Input signal	
DP×1	VESA standard：3840×2160@60Hz backward compatibility ，DP1.2
HDMI2.0×1	VESA standard：4K@60Hz backward compatibility
HDMI1.3×3	VESA standard：2K@60Hz backward compatibility
EXT×1	Extended input, the default is HDMI, can be optional 3G SDI or wireless screen projection input

Output signal	
NET×20	20 Gigabit network port output, through the network cable connected to the LED display, directly connected to the receiving card;Maximum load 13.1 million pixels, width ≤16376, height ≤16376;

Complete specification	
Input voltage	100-240V~50/60Hz
Power	≤72W
Working temp	-30℃ ~ 70℃
Environment humidity	15%~85%
Operation	LCD menu、BxSetPro debug software
Size	482.6mm×306.2mm×66.6mm
Case	Standard 1.5U
Weight	≤5.5Kg

Dimension

单位：mm

Contact us

Shanghai ONBON Technology Co.,ltd (Headquarters)

Address: 7 Floor, Tower 88, 1199#, North Qinzhou Road, Xuhui District, Shanghai City, China
Tel（wechat): +86-15921814956 +86-15800379719 +86-15850351852
Email: onbon@onbonbx.com
Website: www.onbonbx.com

iLEDCloud
Website: http://www.iledcloud.com/