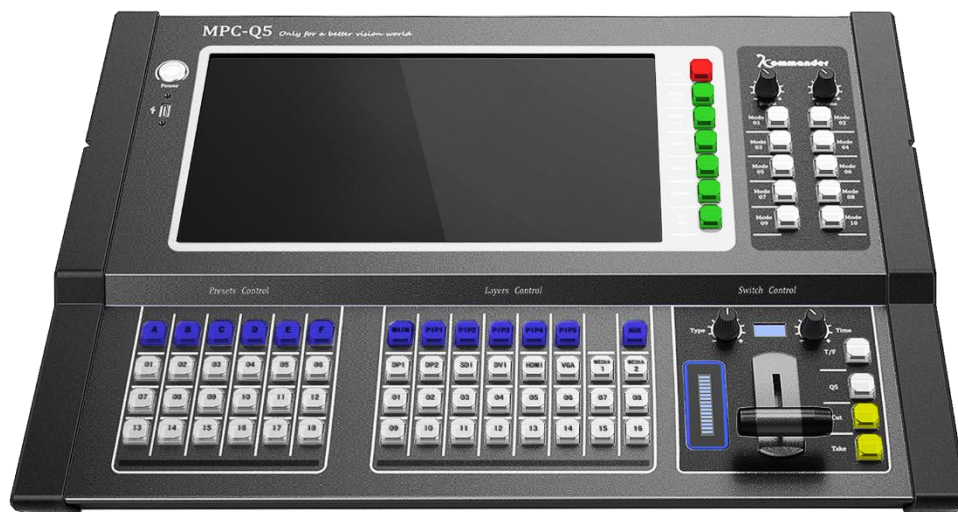# MPC-Q5 Product Specification for Broadcast Control Security Station

Summary:

   MPC-Q5 is a broadcast and control security station designed for live performance LED projects. It adopts the top design technology in the industry and meets the international and industry standards. It is the first broadcast and control security station in the world that integrates video playback security and switching control security.

   Custom loading within 9.6 million pixels of the whole machine meets the most on-site requirements. It integrates splicing, switching, monitoring, control and playback. It has complete backup and is safe and reliable.

Functional characteristics

1、 Two inputs of 4K@60hz DisplayProt can be seamlessly docked with Kommander-F2 server and can be hot backup.

2、 Single output port carries 2.4 million custom pixels, with a maximum width of 4000 and a maximum of 2000. The whole aircraft carries 9.6 million pixels.

3、 Support the use of touch screen, reaction type and directional push rod to achieve device debugging and video playback;

4、 Supporting internal storage and external USB dual-channel video play independently, backing up with external signals to ensure security;

5、 Supporting scene pre-editing, one-key special effect push, to prevent misoperation;

6、 Support the control of Kommander T1 and control the T1 switching plan.

7、 Support real-time capture output as the main KV, and automatically switch to the main KV when the signal is lost.

8、 In the mode of 4-way output splicing, it still supports arbitrary layout of 4 layers to solve industry pain points.

9、 Supports more than ten scenario switching effects, such as direct cut, fade in and fade out, and supports one-button push and push rod push.

10、 All layers support matting, transparency adjustment, and arbitrary clipping of the signal source, showing the best effect.

11、Supports the adjustment of the brightness, contrast and EDID of the input signal.

12、Supports one-key black screen, static, silent;

Panel recognition

Serial number	Function description
①	Touch control surveillance area
②	Advanced functional area
③	Brightness Volume Debugging Zone
④	Schema Call Area
⑤	T1 Preplan Call Area
⑥	Signal Source Switching Zone
⑦	Special effect switching zone

Port specification

Input port		
type	number	Specifications
DP	2	DisplayPort 1.2 standard, supporting 3840*2160@60hz or 7680*1080@60hz
DVI	1	1.3 standard, maximum support 1920*1080@60hz
HDMI	1	Version 1.3, maximum support 1920*1080@60hz
VGA	1	VESA standard, maximum support 1920*1080@60hz
SDI（BNC)	1+1（LOOP)	Support SD/HD/3G-SDI

Output port		
type	number	Specifications
DVI-D	4+4（backup）	Maximum support 2.4 million custom output resolution; The highest horizontal resolution of a single channel is 4000 pixels. The maximum vertical resolution of a single channel is 2000 pixels.
DP	1	Displayport 2.0, Supports the Monitor Loop Out of Signal Source
USB-AUDIO	1	Output of internal storage or U-disk video sound

Control port		
type	number	Specifications
RS-232（DB-9）	1	Data transmission rates are 50, 75, 100, 150, 300, 600, 1200, 2400, 4800, 9600, 19200, 38400
RJ-45	1	100M

Whole machine specification	
Input power supply	100V-240V AC ~50/60Hz 0.6A
working temperature	0-45℃
Net weight	
Overall power consumption	

Annex: Equipment Dimension Map

Presets Control   Layers Control   Switch Control

Control   Input   Output

ON/OFF
ETH-100M
USB-VUDIO

COM   VGA   DVI   1-A   2-A   3-A   4-A

SDI SDI LOOP HDMI DP-1 DP-2 DP-AUX   1-B   2-B   3-B   4-B