



The MIG-EC40 Pro-H series is an integrated event controller featuring multiple inputs/outputs, multi-layer processing. Internally, it employs 4K/60Hz 4:4:4 image processing technology, supporting multi-channel 2K output mosaic and seamless fade-in/fade-out switching for 4K inputs.

The MIG-EC40 Pro-H series is equipped with a 13-inch preview monitor, a touchscreen, allowing for quick menu browsing and parameter adjustments. Knobs enable precise adjustment of various parameters for layers. Compact in size yet powerful in functionality, it is an indispensable video control console for current rental activities.

Product Features

-  4 main outputs (mosaic) and 2 auxiliary outputs.
-  2*10G optical fiber outputs.
-  Customize input/output resolutions.
-  HDMI 2.0 & DP 1.2 inputs.
-  12G SDI input.
-  6-layer to 6-layer fade-in/fade-out switching for main outputs.
-  6 channels of 4K*2K/60Hz input.
-  HDCP 1.4 & 2.2.
-  Background capture and load, allowing for 5 backgrounds.
-  Chroma key function.
-  Virtual output settings with cropping, zooming, and image cropping functions.
-  preview interface customize edit and input source rename.
-  Quick save and load of 20 user presets.
-  Touchscreen enabled, with quick access to menus upon unlocking.
-  T-Bar switching.
-  Equipped with a 13-inch preview monitor.
-  4K@60Hz RGB 4:4:4 processing.

Controller specification

Multi-window preview

Preview presets, monitoring input and output.

Keypad

The numeric keys allow for quick modification of parameters such as layer size, position, and other settings.

Touch screen

The touch screen, combined with surrounding buttons and knobs, facilitates menu navigation, entry, return, browsing, parameter adjustments, and more.

Switching Area

Seamless switching between main output and preview from T-Bar, "CUT", and "TAKE" buttons. Also work for "Freeze", "Black", and "Lock".

Preset Area

1-20 correspond to user-saved presets, enabling saving, loading, and deleting presets with the buttons on the right side.

Layer Zone

Layers 1-6 correspond to the 6 active layers on the console. With the below buttons, you can adjust the size of the layers, zoom in/out, clear, quickly go full screen, change to top or bottom, and use chroma key functions.

Background

Input Signal Selection



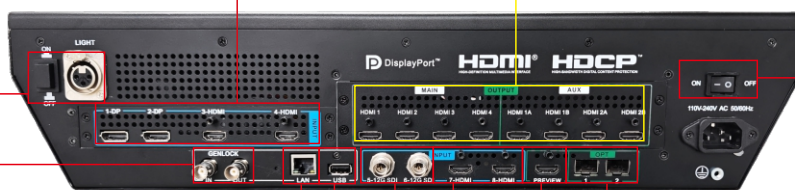
4K Input Module

Output Module

Lighting interface and switch

Power switch

GENLOCK



LAN

USB

12G SDI

HDMI 1.4 input

Multi-window preview

OPT output

MIG-EC40 Pro-H series can be divided into A, B and C according to the difference of 4K input modules:

MIG-EC40 Pro-AH:HDMI 2.0*2, HDMI 1.4*2, DP1.2*2, 12G SDI*2

MIG-EC40 Pro-BH:DP1.2*4, 12G SDI*2, HDMI 1.4*2

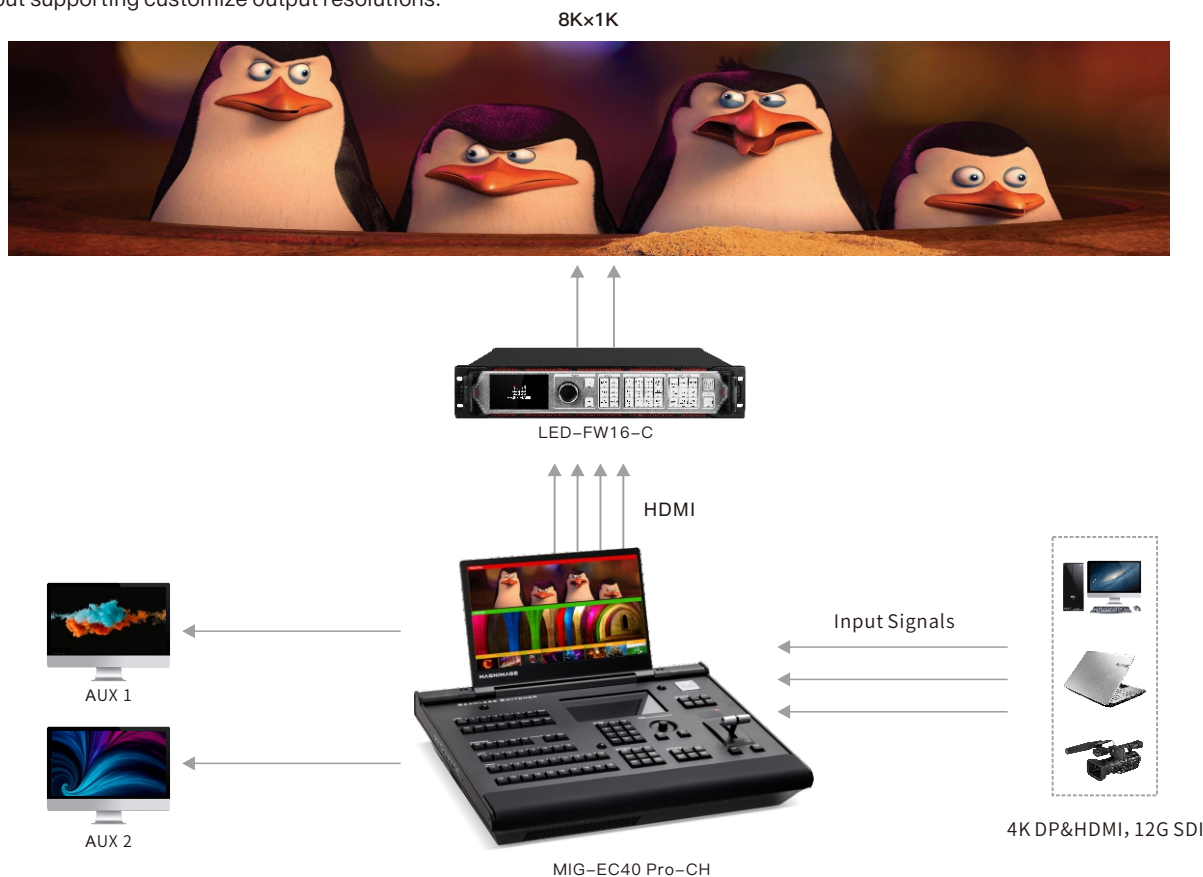
MIG-EC40 Pro-CH:HDMI 2.0*4, HDMI 1.4*2,12G SDI*2;

Output is not optional; the output specifications are the same for all three models.

▮ Main Features and Applications

▮ Multi-channel 4K input, multi-channel 2K output mosaic

The MIG-EC40 Pro-H series supports 4 channels of 2K main output and 2 channels of 2K auxiliary output, with the main output supporting customize output resolutions.



▮ 2 optical outputs

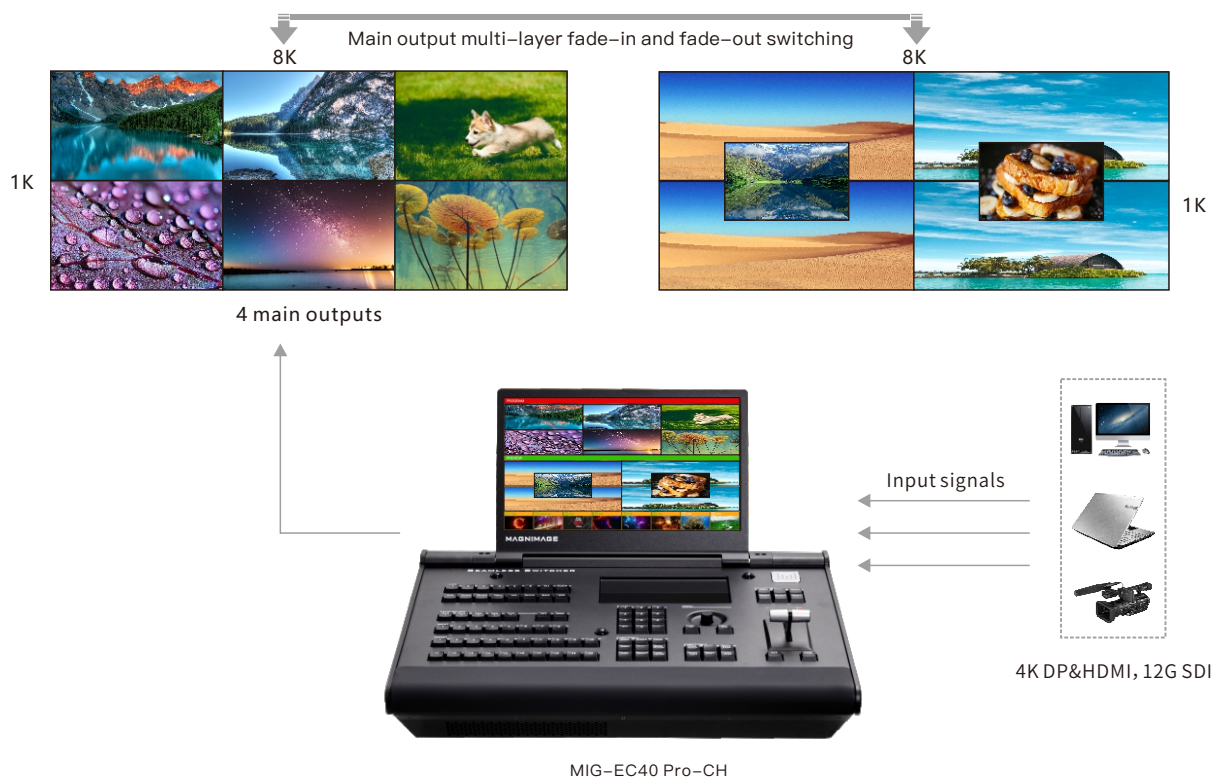
The signal is transmitted through an optical module, allowing for longer and more stable transmission distances.



Main Features and Applications

Supports multi-layer seamless switching

The main output supports 1 background and 6 independent layers, with the size and position of layers freely changeable; each aux output supports independent layer output, with the main output supporting fade-in and fade-out switching.



Supports border

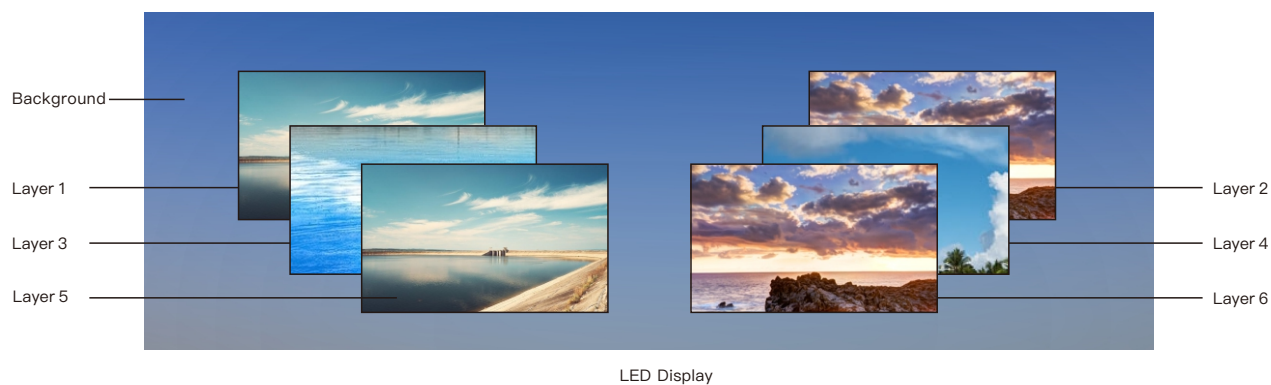
The main output layers support border effects.



▮ Main Features and Applications

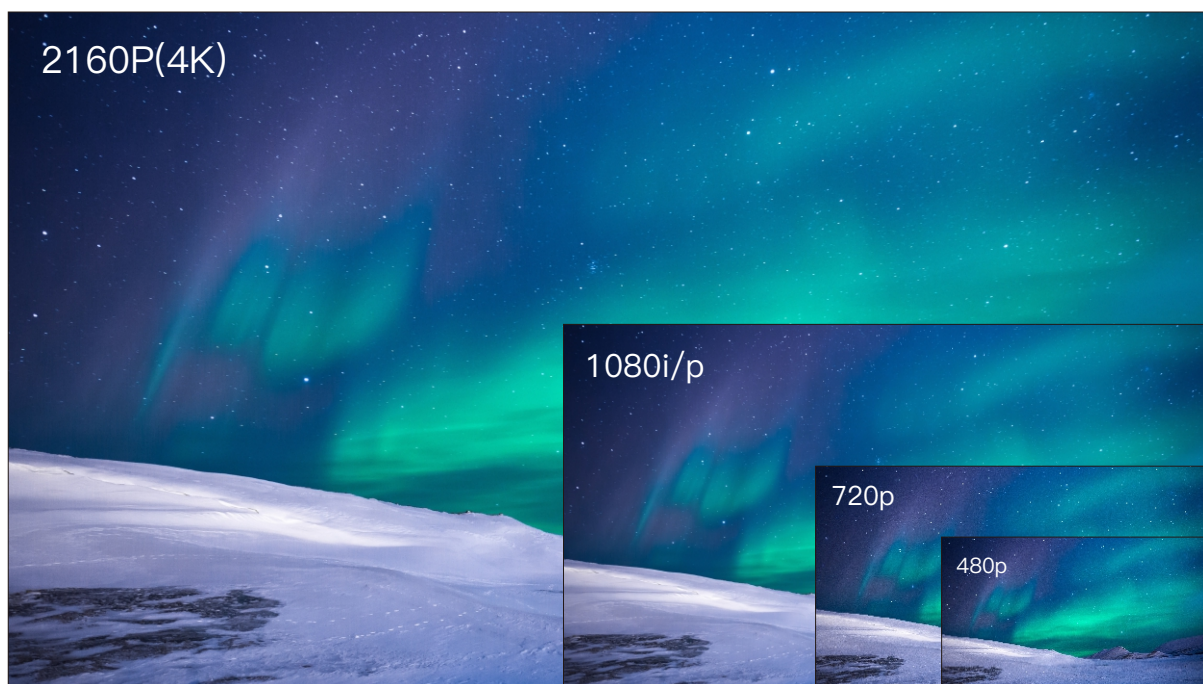
🖥️ Background

Supports capturing 5 background without occupying the count of layers.



🖥️ 12G-SDI Input Interface

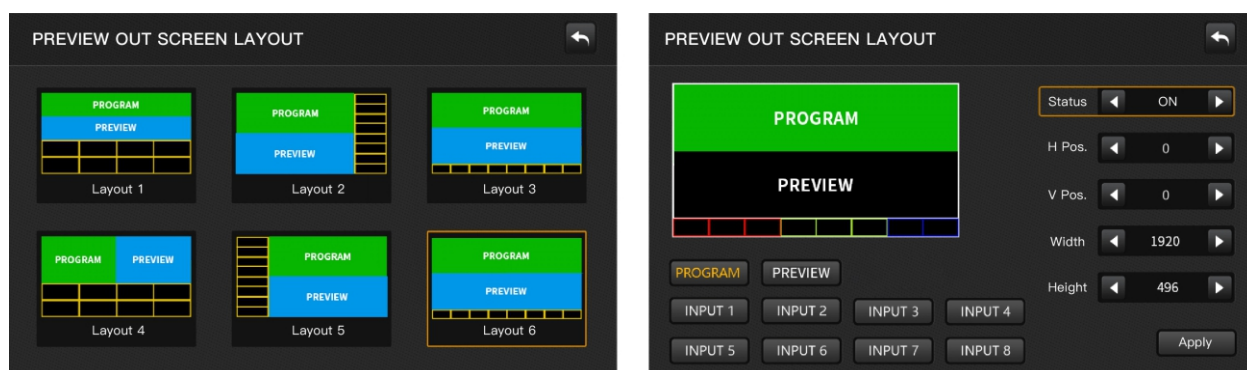
Equipped with a 12G SDI interface, capable of lossless transmission of standard 4K@60Hz video signals, ensuring higher quality. It is also compatible with resolutions below 4K, meeting the high demands for video signal transmission in the broadcast television industry.



▮ Main Features and Applications

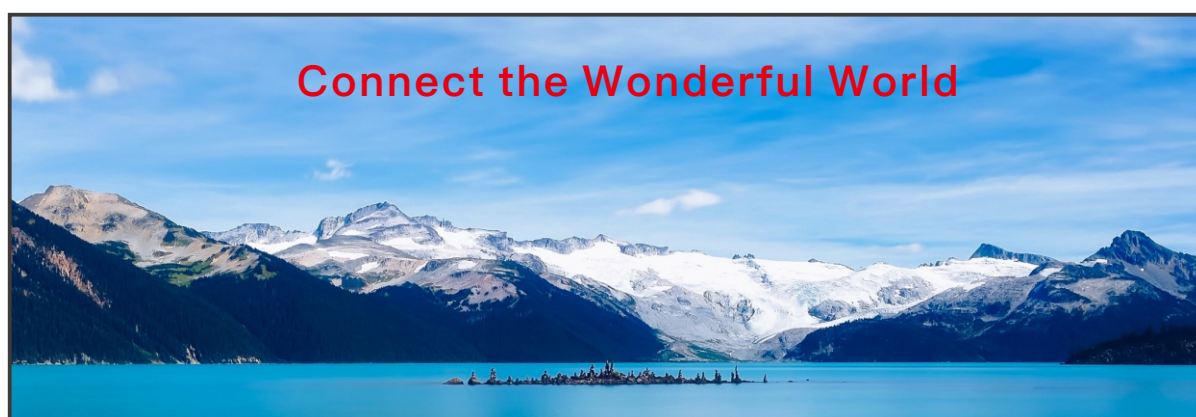
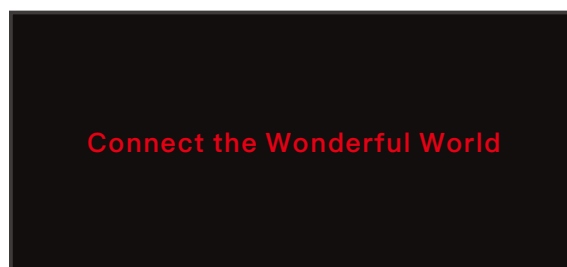
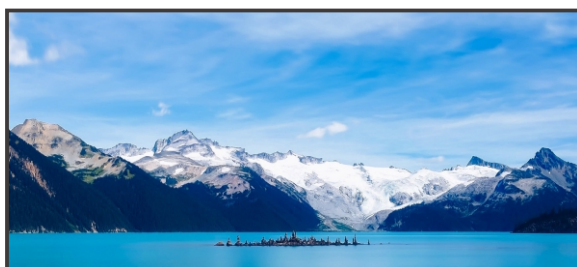
🖥️ Multiple Preview Layouts

For the MIG–EC40 Pro–H’s multiple preview outputs, there are 5 fixed layout options provided. Users can customize the layout setting. It includes 3 basic modules: main output, main output preview, and input signals. Users can set the size, position, and whether to enable or disable each module.



🖥️ Chroma Key Feature

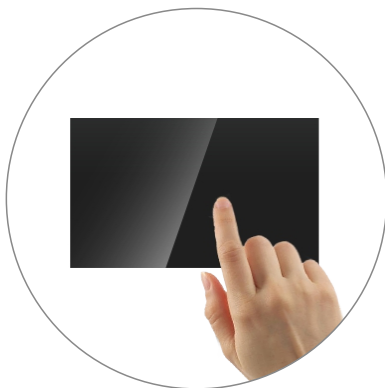
Supports chroma key, enabling text overlay.



▮ Main Features and Applications

📱 Multiple Control Methods

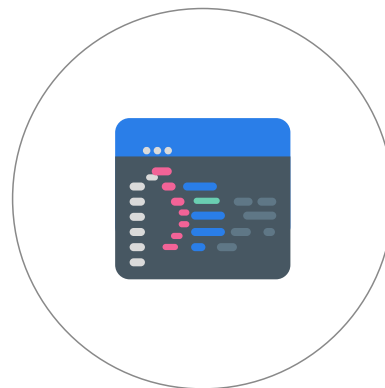
Supports setting parameters via touch screen, including a touchscreen swipe to unlock the logo and access the menu to prevent accidental touches; supports transitions using a T-Bar or the "CUT" and "TAKE" buttons; supports UDP control.



Touch screen Control



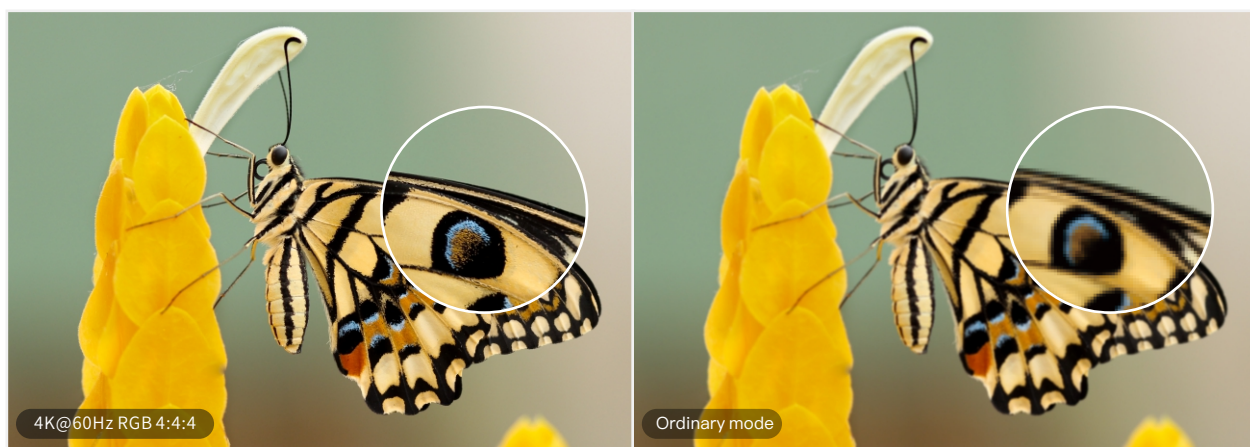
T-Bar Switch



UDP Control

🔴 4K@60Hz RGB 4:4:4

Input, output, and internal processing all use RGB 4:4:4, which can accurately reproduce the details of the source image, providing a clear and delicate display. The event controller internally handles all channels without frame reduction or frame loss, ensuring smoother video playback and complete representation of image details.



Specifications

Input Specification				
Model Interface	MIG-EC40 Pro-AH	MIG-EC40 Pro-BH	MIG-EC40 Pro-CH	Resolution Specifications
HDMI2.0	2	/	4	3840×2160/60Hz,7680×1080/60Hz and EDID Management
DP1.2	2	4	/	3840×2160/60Hz,7680×1080/60Hz and EDID Management
12G SDI	2	2	2	3840×2160/60Hz、12G SDI is backward compatible and supports deinterlacing.
HDMI1.4	2	2	2	3840×1080/60Hz and EDID Management

Output Specifications			
Output types	Port Types	Number of ports	Resolution Specifications
Main output	HDMI	4	The entire system supports a maximum resolution range of 7680×1200, with support for custom output resolutions: Maximum width is 7680(7680×1200), maximum height is 2600(3120×2600)
Auxiliary output	HDMI	2	1920×1080/60Hz
Multi-window preview output	HDMI	1	1920×1080/60Hz
Optical output	OPT	2	The entire system supports a maximum resolution range of 7680×1200, with support for custom output resolutions, , Maximum width is 7680, maximum height is 2600

System Specifications	
Power Voltage	100~240V AC 50/60Hz
System Power Consumption	120w
Working Temperature	-10℃~45℃
Working humidity	5%RH~70%RH
Dimensions	508mm×405.9mm×114.8mm
Net Weight	10.7kg



Shenzhen Magnimage Technology Co., Ltd.

Address:801, Bld. G2, TCL International E City,#1001
 Zhongshan Park Road, Nanshan, Shenzhen, China, 518052
 Tel:86-755-8664 7651 Fax:86-755-8664 7650
 Website: www.magnimage.com