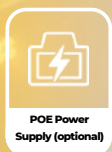


BROADCAST APPLICATION-LEVEL
CONTROLLER SOLUTION

TVP-MKB10

MINI PRO PTZ CONTROLLER

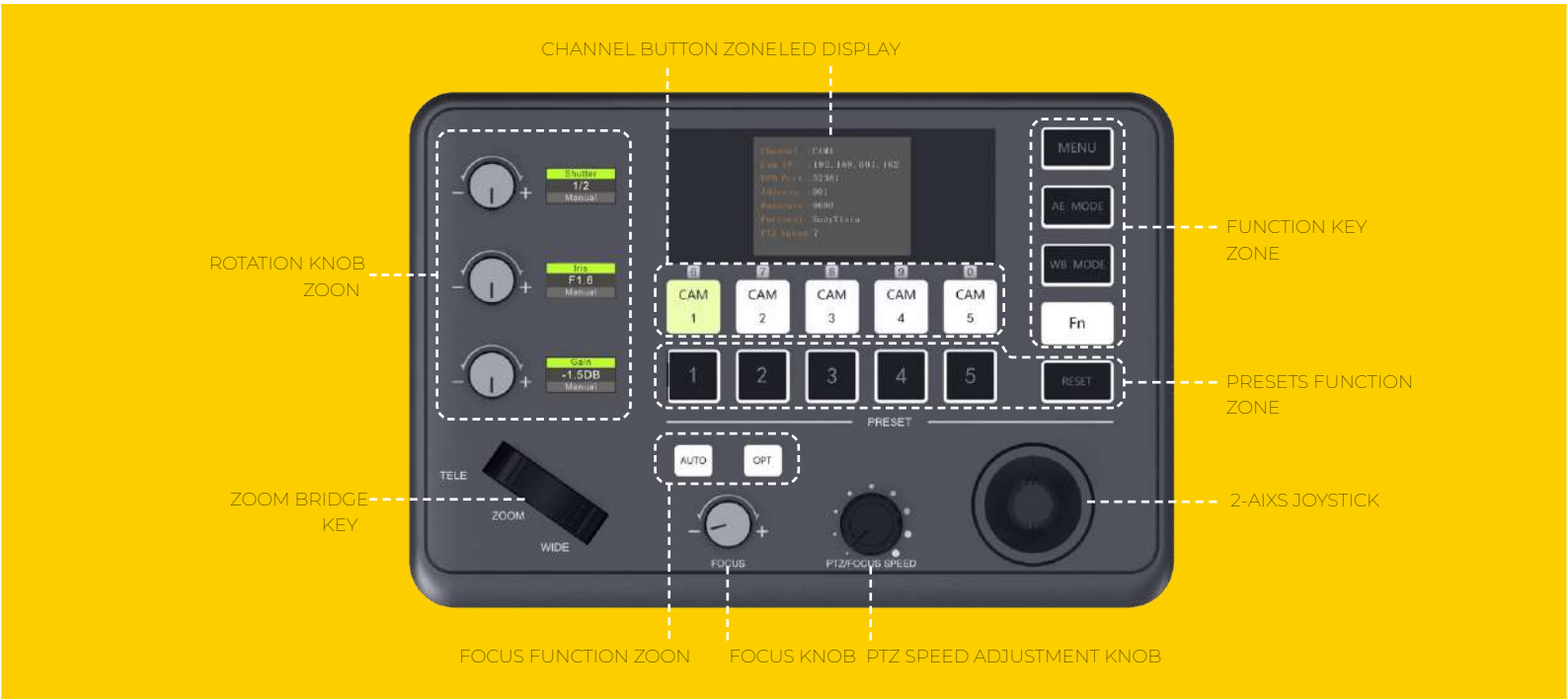


Products Description

TVP-MKB10 is a Mini and Compact Broadcast application-level controller solution. The key layout is combined with ergonomic operation experience design. The distributed design of 2-Axis joystick and zoom bridge keys to improves controllability, Be more stronger and more stable. The Silicone backlight Button design, more comfortable in Operation, built-in VISCA, UDP, PELCO P/D Multi control protocols, support RS422/RS485/RS232/IP(UDP) and other multi-interface methods for simultaneous communication, Adopt 5 camera Channel shortcut keys and Five infinitely variable knobs, 4 color LED multi-screen display design, easy to set up and operate; support Auto exposure and white balance multi-mode visual switching, real-time value presentation is more intuitive; support one-button Auto, manual, OPT focus mode. Supports 7-level Pan/Tilt Rotation speed and Zoom speed visualable adjustment.

It's mostly used in Video conferencing, ProAV systems, Studios, Broadcasting Solution, Education AV, Telemedicine, Events & Sports Live Streaming System solution.

Exquisite & Compact appearance design, key layout combined with ergonomic operation experience design.



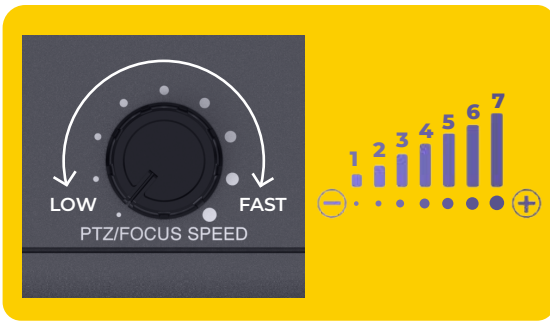
- Adopt 4 color LED multi-screen display design.
- The Display panel backlight three blocks (low, high, normal) can be adjusted.
- Using color Backlight key design, more Fashion.



- **Support Auto exposure and white balance multi-mode visual switching,** real-time value presentation is more intuitive.
- **AE MODE Key:** This key is used to change the automatic exposure mode of the camera. Each time is pressed, the camera changes to different exposure mode.
- **WB MODE Key:** This Key is used to changed the White Balance of the camera. Each Time is pressed, the camera will be changed to different WB Mode.

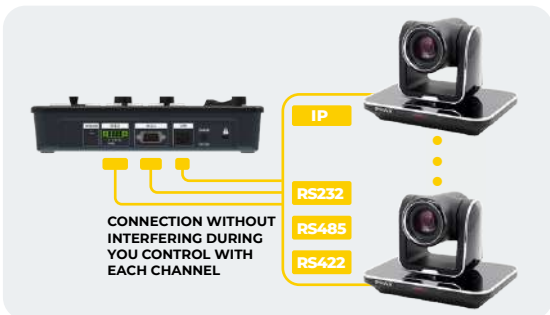
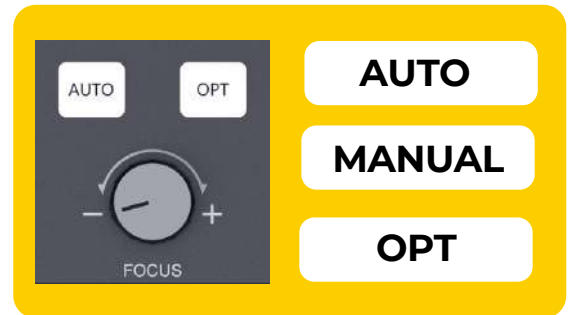
- Using the distributed design of the Pan/Tilt Rotation Control and zoom bridge keys, the controllability is more stronger and more stable.
- Zoom Bridge Key: It is used to control the camera to Zoom In/Out.
- 2-Axis Joystick: The joystick supports control camera to Up/Down, Left and Right movement.





- This knob is used to adjust the speed of Camera Pan, Tilt and Zoom, with a total of 7 gears.
- The Current Gear will be display at Led Display. The Gear Value is more small then the pan/tilt rotation speed or the zoom speed of the camera controlled by the keyboard will be more Slowly.

- When the Backlight of [AUTO] Button is Light up, it means that the current focusing mode is the automatic; When the Backlight of [AUTO] Button is light Off, it means that Current Focus Mode is changed to Manual. User can press this button to switch the mode.
- [OPT KEY] is used to trigger the single focus of the camera. At the same time, the camera enters the one-shot auto focus mode.



- Support RS422/RS485/RS232/IP and other multi-interface methods for simultaneous communication and connection without interfering during you control with each channel.
- Built-in VISCA, UDP, PELCO P/D Multi control protocols, with strong compatibility, which can control all PTZ cameras.

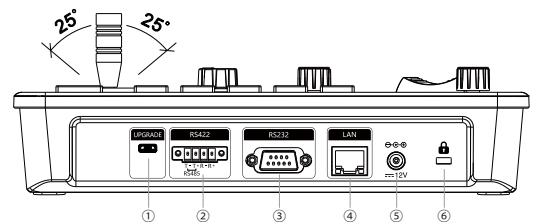
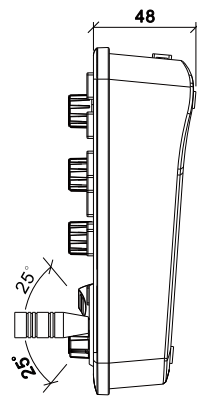
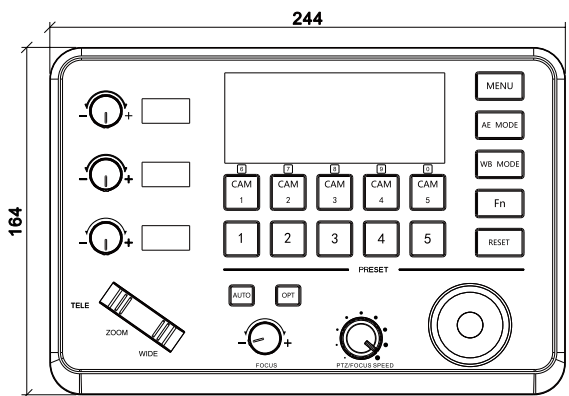
- Support password setting, Operation permission limit, with Kingston lock holes design.
- The user can change the password by himself. If the password is not changed, the password is the default password.
- Please use this function with caution.



- 5-Channel camera shortcut buttons and 5 infinitely variable rotations to fast set and operation the camera in system.
- Supports up to 5 presets to call and store shortcut.
- Max support to connection with 5 PTZ Camera in simultaneous.

Parameters & Specs

Communication & Control Interface	RS422/RS485 Interface Phoenix Contact 4 pin 3.81mm Terminal	Power Supply JEITA type4 Female Interface	LAN Interface RJ45 Female Interface
	RS232C Interface DB9 Male Interface	Upgrade Online Micro USB Female Interface	
Camera Control or Operation	Supports up to Control Cameras 5	Joystick 2-Axis	Focus Mode Auto/ Manual/ OPT
	Communication Protocol VISCA, PELCO P/D, UDP	Zoom Mode Tele-Wide Bridge Keys	Pan/Tilt Rotation Speed 7-Level Adjustment
	Number of LED Displays 4 Units Color LED Display Screen	Camera Menu One-keys for call	Zoom In/Out Speed 7-Level Adjustment
	Number of Camera Channel 5	Buttons 17 Silicon Button	AE Mode The mode can be switched arbitrarily, and the value can be adjusted
	Infinitely variable knobs	Presets Short keys 5 Presets per Each channel	WB Mode The mode can be switched arbitrarily, and the value can be adjusted
Control Signal Format	Baud Rate 2400bps, 4800bps, 9600bps, 19200bps, 38400bps	Date Bits 8 Bit	Parity bit NONE
	Internet Protocol UDP / VISCA OVER IP	Stop Bit 1 Bit	
Power Supply and Consumption	Power Connector Type JEITA type (DC IN 12V) / POE	Rated Voltage / Rated Current DC 12V / 0.3A max	Max Power Consumption 3.6W
Physical & Others	Password Privacy Protection YES	Kingston's Lock Holes YES	Dimensions (L x W x H) 244 x 164 x 48mm
	Works Temperature 0° ~ 40° (32° ~ 104°)	Storage Temperature -20° ~ +60° (-4° ~ 140°)	G.W 1.1 kg
	Works Environments Indoor	Accessories Phoenix Contact 4 pin 3.81mm Terminal / Power Adapter / User Manual	



- ① Upgrade Online - Micro USB Female Interface
- ② RS422/RS485 Interface - Phoenix Contact 4 pin 3.81mm Terminal
- ③ RS232C Interface - DB9 Male Interface
- ④ LAN Interface - RJ45 Female Interface
- ⑤ Power Supply - JEITA type4 Female Interface
- ⑥ Kingston Lock Holes