

## 4D Keyboard PTZ Camera Controller

This camera controller is built-in 3-inch screen. With powerful operation, it solves the troubles while operating the camera via web. The adoption of industrial-grade LED module make the display excellent and the character clear. This controller support VISCA, ONVIF, PELCO, and NDI protocols, it fully compatible with VISCA with powerful extension. The web client terminal makes the configuration interface simple and clear.



3-inch LCD	4D Rocker	Real-time image preview	Adjusting Knob	Multi Protocol Support	POE	Illuminated button	NDI Optional
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### Key Features

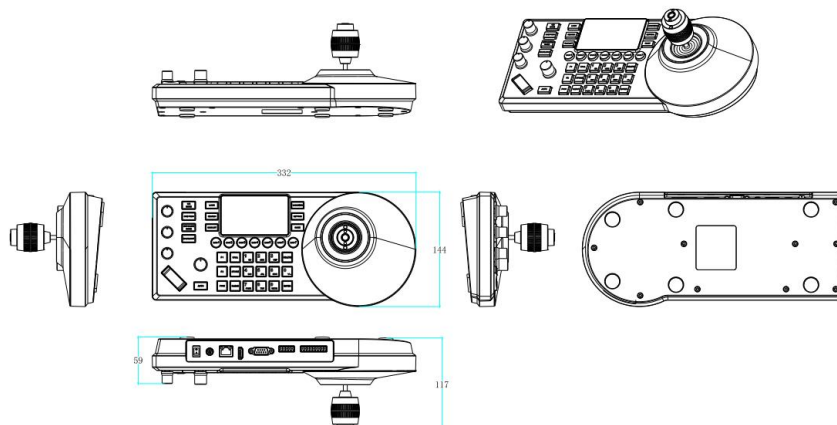
- 4D Precise Joystick + 3D Knobs + Ergonomic Zoom Button**  
 Camera parameters control such as white balance, exposure, focus and zoom etc.
- Built-in 3-inch color screen**  
 Support real-time PVW of current camera viewing through up streaming (NDI|HX2 and RTSP only).
- Supports HDMI output for large screen display**  
 Real-time preview through the HDMI interface, supporting up to 4KP30 ultra high definition resolution
- Support 7 cameras selection shortcuts**  
 7 camera shortcuts can be set quickly according to requirements; Up to 1000 cameras information can be saved.
- Newly upgraded UI operation interface**  
 Open camera's menu quickly and combine PVW screen or image screen to control.
- White and red backlight silicone buttons**  
 High-quality silicone, excellent touch, support white and red backlight so it can be operated smoothly in a low-light environment; support letters and common characters input and other operations such as editing camera's name and address.
- Support buttons lock via one click**  
 Lock buttons via one click to avoid misoperation.
- Multiple control protocols, apply to abundant venue**  
 Support VISCA, VISCA Over IP, VISCA TCP, PELCO P/D, Onvif and NDI, support automatic protocol recognition.  
 \* Additional licenses are required to upgrade the NDI function, please consult the manufacturer for details.
- Abundant interfaces, multiple connection methods**  
 External RS-232, RS422/485 serial port and RJ45 network interface. The network interface supports POE function, thereby reducing wiring trouble.
- External tally interface**  
 Support up to 8 tally channels.
- Support customization buttons**  
 Support customization buttons F1, F2, can set the best operation function according to requirement.



## Technical Specification

<b>Model</b>	<b>MPC20/MPC20-NDI</b>
<b>Keyboard Specification</b>	
Joystick	4D precision Joystick
Knobs	3D knobs, support scale rotation to adjust parameters, support button function to select mode
Buttons	High-quality silicone buttons, support white and red two-color backlight
Screen	3" LCD color display
Shortcut Button	Support 7 camera shortcut button settings
Button Prompt Tone	Button sound prompt On/Off
Lock Button	Support one-key lock function
Max. Control Quantity	1000
Max.Preset Position	255
<b>Control</b>	
Control Interface	RJ45(support POE and NDI HX2), RS-232, RS-422/485
IP Control Protocol	Onvif, VISCA Over IP, VISCA TCP, NDI(Optional)
Serial Port Protocol	VISCA, Pelco D, Pelco P
<b>Power Supply</b>	
Input Voltage	12V
Input Current	0.25A
POE	802.3af
Rated Power	3W
<b>General Specifications</b>	
Tally	Support up to eight channels
Operating Environment	Indoor
Operating Temperature	-10℃ -40℃
Storage Temperature	-20℃ -60℃
Dimension	(W)332*(D)136*(H)58mm (Joystick height is not included) (W)332*(D)136*(H)116mm (Joystick height is included)
Weight	0.8 kg

## Diagram:



Connection:

# Recommended Connection Scheme

