# KC20 Pro/KC20N Pro (NDI Version)

**Universal PTZ Camera Controller**

4D Joystick     Real-time Preview     7-Camera Shortcuts     PTZ Control

White Balance/Exposure/Focus Control     POE     HDMI Output

Custom Buttons     NDI|HX2

# 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:**

Display main parameters of cameras directly, personalize stylish interface casually.

■**Remote control of PTZ camera menu:**

Open camera's menu quickly and combine PVW screen or image screen to control.

* This function is recommended to be used with our camera.

■**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 venues:**

Supports VISCA, VISCA Over IP, VISCA TCP, PELCO P/D, Onvif, and NDI (optional) control protocols, with 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 7 tally channels.
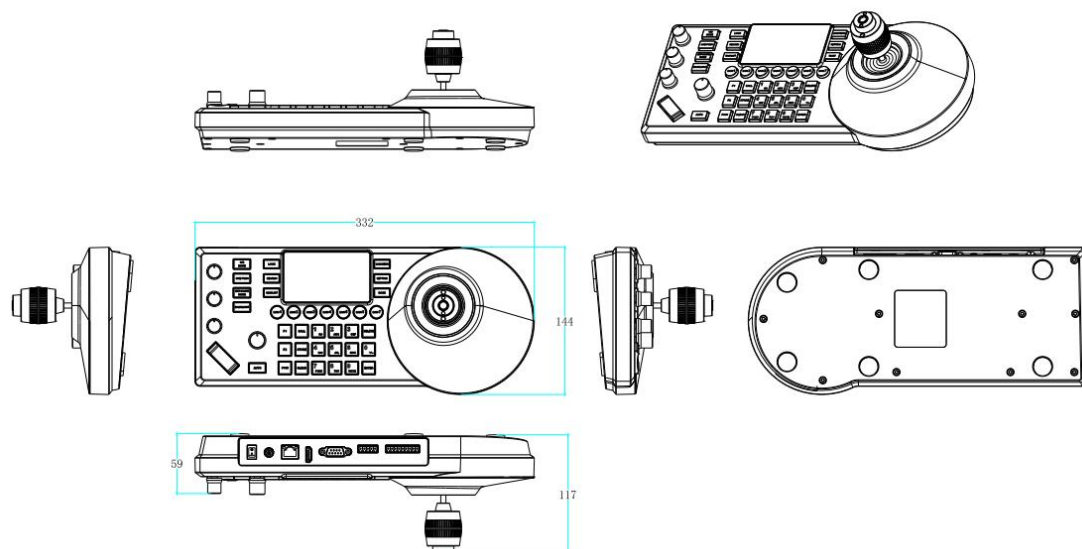
■**Support customizable buttons:**

Support customizable buttons F1, F2, PVW, can set the best operation function according to requirement.

# Specifications

| Keyboard Parameters | |
|---|---|
| Joystick | 4D precision Joystick |
| Knobs | 3D knobs, supports mode selection by pressing the button, rotating to adjust parameters |
| Buttons | High-quality silicone buttons, support white and red two-color backlight |
| Screen | 3″ LCD color display |
| Display | HDMI 4K@30 video output 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 |
| **Control** | |
| Control Interface | RJ45 (supports POE and NDI®|HX2 optional), RS-232, RS-422/485 |
| IP Control Protocol | Onvif, VISCA Over IP, VISCA TCP, NDI® (optional) |
| Serial Port Protocol | VISCA, Pelco D, Pelco P |
| **Power Supply** | |
| Input Voltage | 12V |
| Input Current | 0.25A |
| POE | 802.3af |
| Rated Power | 3W |
| **General Specifications** | |
| Tally | Supports up to 7 channels at most. |
| HDMI Interface | External Display Device |
| Operating Environment | Indoor |
| Operating Temperature | -10°C~40°C |
| Storage Temperature | -20°C~60°C |
| Dimension | (W)332*(D)136*(H)58mm (Joystick height is not included)<br>(W)332*(D)136*(H)116mm (Joystick height is included) |
| Weight | 0.8 kg |

# Diagram

# Connection