

- Cross protocol mix-control with IP/RS-422/RS-485/RS-232
- Control protocol by VISCA, VISCA-Over-IP, Onvif and Pelco P&D
- Control up to total of 255 IP cameras on a single network
- 3 camera quick call up keys, or 3 user-assignable keys to quickly invoke shortcut functions
- Quick control of exposure, shutter speed, iris, compensation, white balance, focus, pan/tilt speed, zoom speed
- Tactile feel with professional rocker/seesaw switch for zoom control
- Automatically search available IP cameras in a network and assign IP addresses easily
- Multi-color key illumination indicator directs operation to specific functions
- Tally GPIO output for indicating the camera be currently controlled
- Metal housing with 2.2 inch LCD display, joystick, 5 rotation button
- Supports both POE and 12V DC power supplies



The controller has a variety of control interfaces including IP, RS-422/ RS-485/ RS-232. The rich control interface makes it easy to match camera connections of different interfaces. It offers cross protocol mix-control on one controller operating Protocol by VISCA, VISCA Over IP, and Pelco P&D, as well as ONVIF. Control multiple different PTZ camera brands simultaneously, including LILLIPUT, AVMATRIX, HuddleCamHD, PTZOptics, Sony, BirdDog, and NewTek.



#### IP Control

IP control is a very intelligent and convenient control mode.

With IP control, automatically search available IP cameras in the network and assign IP addresses easily.

IP control supports ONVIF, Visca Over IP.

#### RS-232/485/422 Control

RS-232, RS-422, and RS-485 communication support protocol such as PELCO-D, PELCO-P, VISCA. Any device on the RS485 bus can be individually configured with different protocols and baud rates.



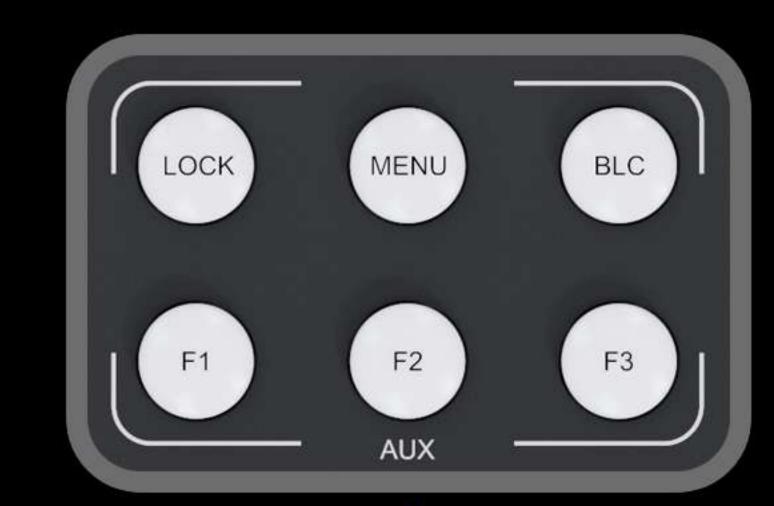
#### Camera Quick Access Control

The controller offers the ability to control iris, auto exposure, white balance, and focus control to control the finer camera settings on the PTZ cameras.



#### Menu Knob

Use for pan/tilt speed, and zoom speed control and controller own menu settings.



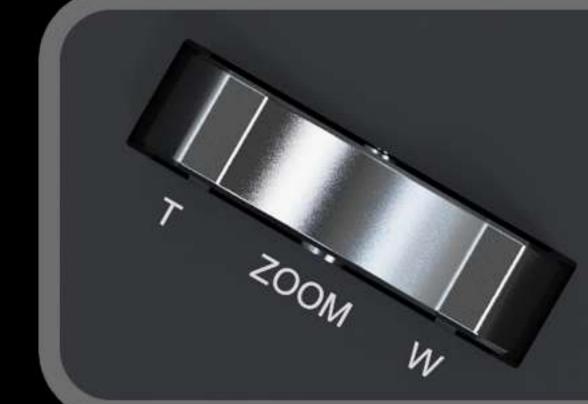
# Assignable Functions & Lock, Menu, BLC

It can store up to 3 user-assignable keys, F1~3 default are quick call up for camera 1~3, and you can also set your own functions according to customer requirements.



#### Rocker & Joystick

High-quality joystick enables you to control the speed of your pan, tilt, and zoom. Tactile feel with professional rocker/ seesawswitch for zoom control.





#### Camera & Position Setting

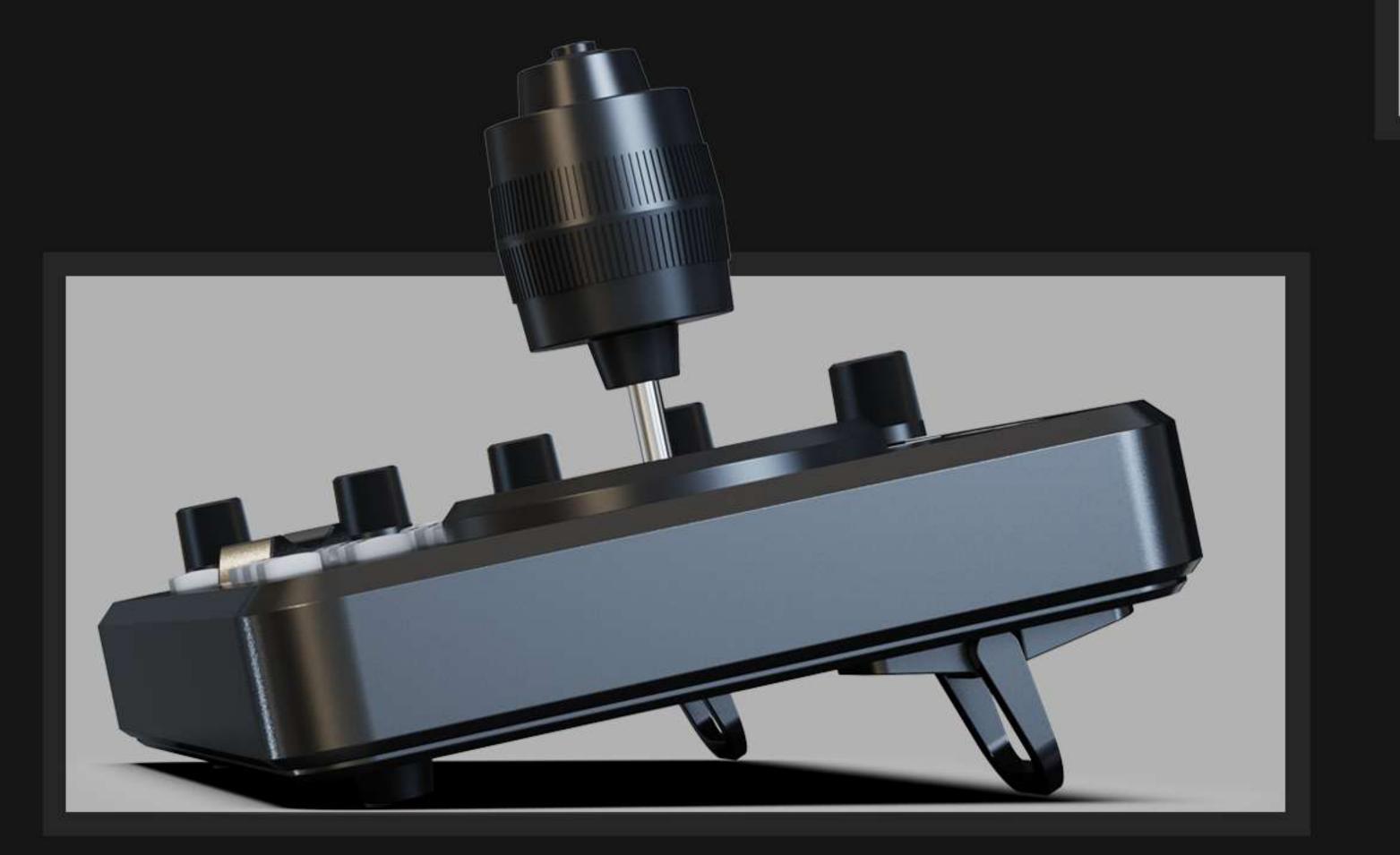
Automatically search available IP cameras in a network and assign IP addresses easily. With a 2.2" color LCD screen, you can quickly set and wake up the camera's control protocol and rotation Angle.





### Aluminum Alloy Body

Aluminum alloy anodized fuselage, upgrade the product grade, and ensure the heat dissipation and stability of equipment.



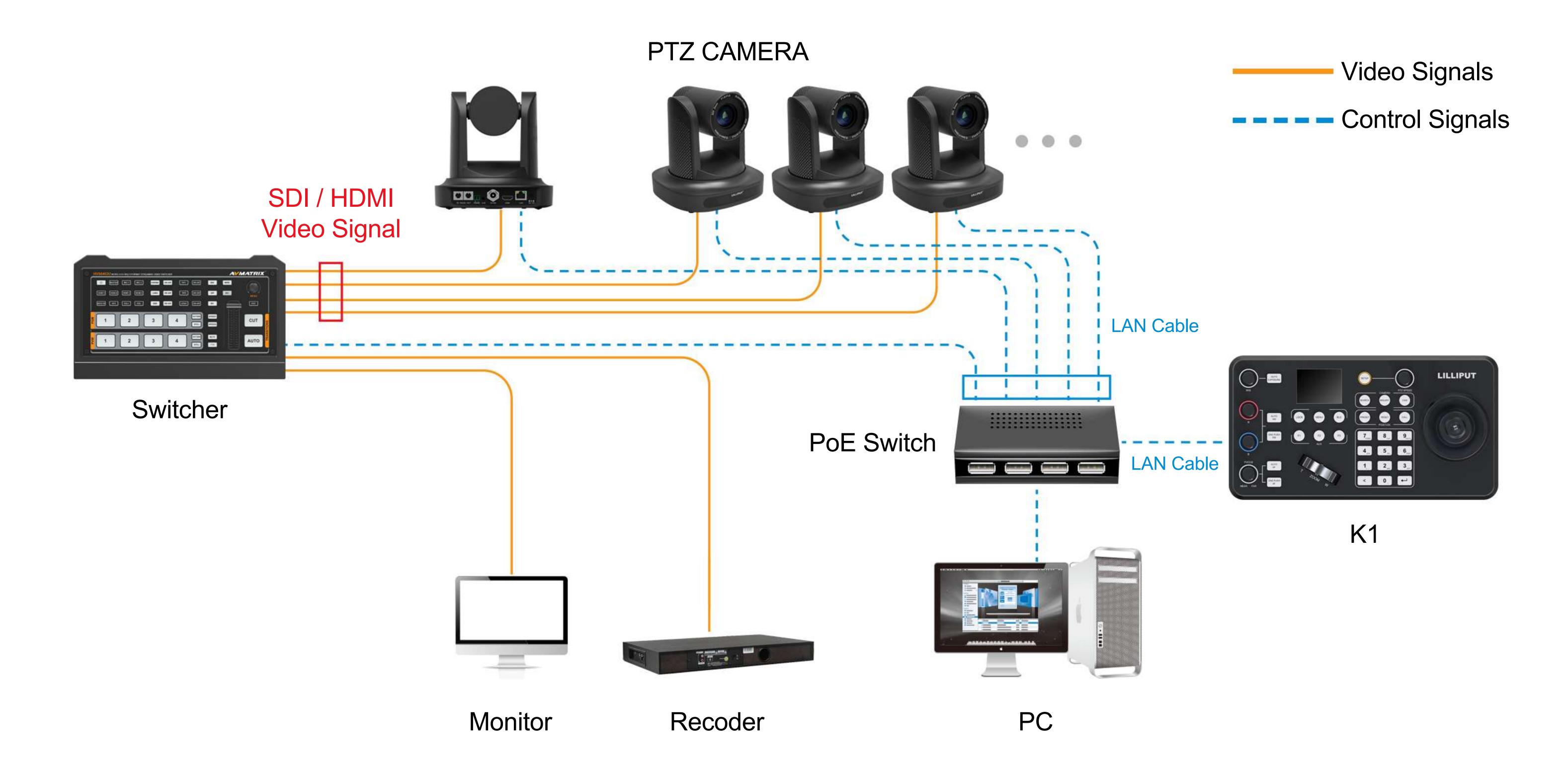


### Bracket Design

Easy installation and flexible application. This controller designed with a detachable bracket design.

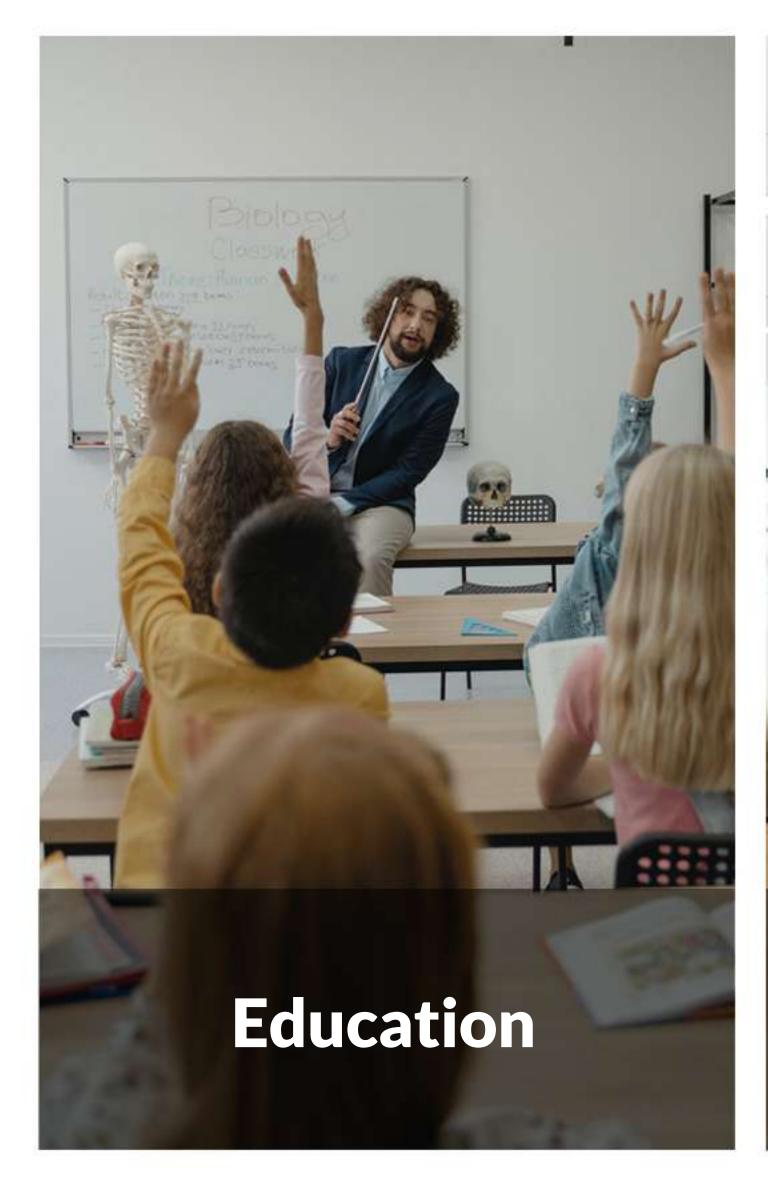
## Connection Diagram

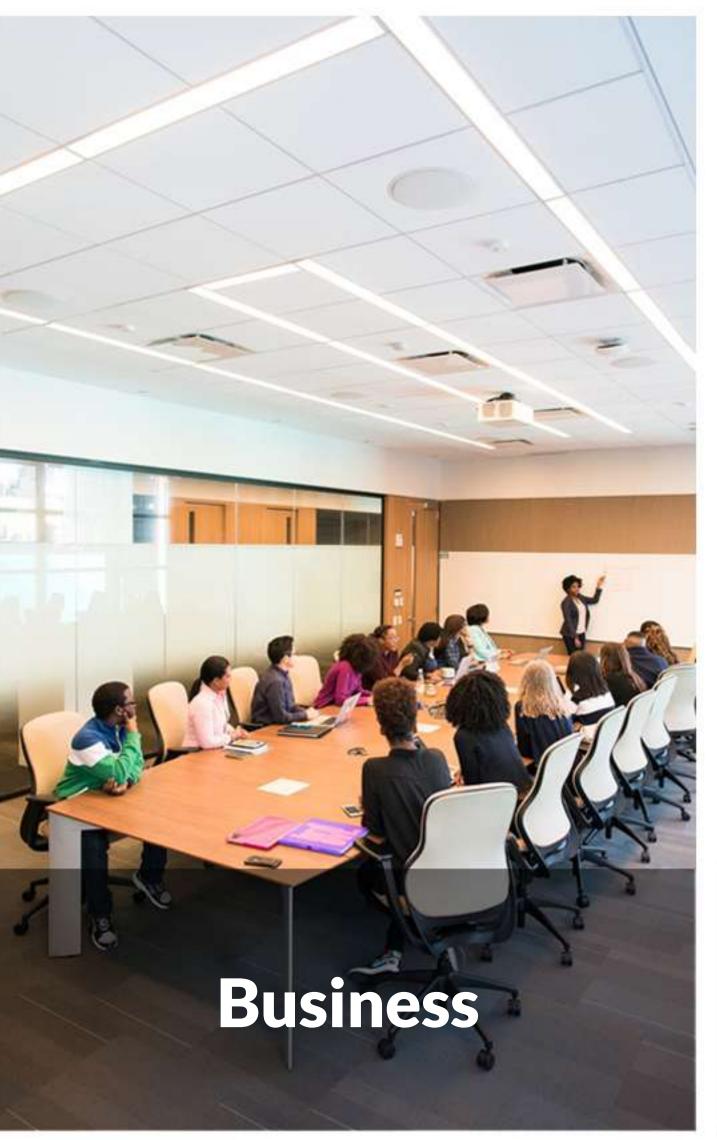
Adopt RS-232, RS-422, RS-485 and IP(RJ45) multiple interface control signal, up to 255 cameras can be connected. The following application workflow shows how to control multiple cameras through IP through the PTZ controller.



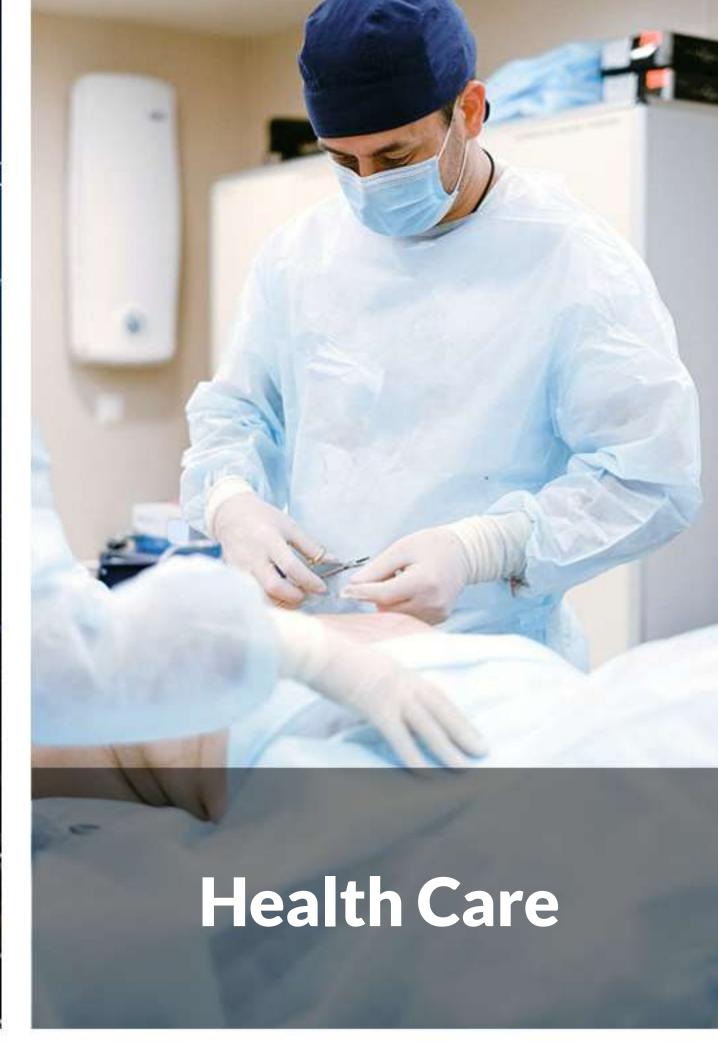
## Application Fields

The controller can be widely used in various field events, such as education, business, interviews, concert, health care, churches and other live broadcast activities.









### Specifications

DIMENSION

| CONNECTIONS        | Interfaces          | IP(RJ45), RS-232, RS-485/RS-422                                   |
|--------------------|---------------------|---|
|                    | Control Protocol    | IP Protocol: ONVIF, VISCA Over IP                                 |
|                    |                     | Serial Protocol: PELCO-D, PELCO-P, VISCA                          |
|                    | Serial Baud Rate    | 2400, 4800, 9600, 19200, 38400 bps                                |
| USER<br>INTERFACES | Display             | 2.2 inch LCD  |
|                    | Joystick            | Pan/Tilt/Zoom   |
|                    | Camera shortcut     | 3 channels  |
|                    | Keyboard            | User-assignable keys×3, Lock×1, Menu×1, BLC×1, Rotation button×5, |
|                    |                     | Rocker×1,Seesaw×1   |
|                    | Camera Address      | Up to 255   |
|                    | Preset              | Up to 255   |
| POWER              | Power               | PoE/ DC 12V   |
|                    | Power Consumption   | PoE: 5W, DC: 5W   |
| ENVIRONMENT        | Working Temperature | -20°C~60°C  |
|                    | Storage Temperature | -40°C~80°C  |
| DIMENSION          | Dimension(LWD)      | 270mm×145mm×29.5mm/ 270mm×145mm×106.6mm(With joystick)            |

1181g

Weight



#### ACCESSORIES





12V DC Power Adapter

9 PIN GPIO Connector





