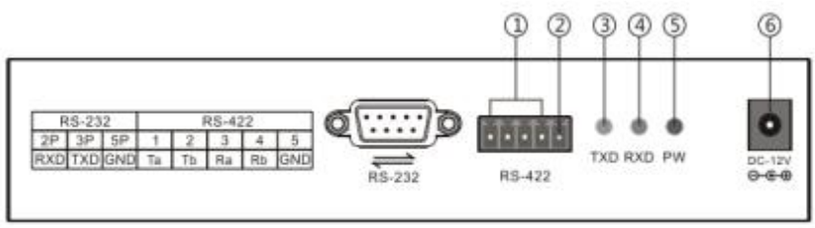
# Analog Control Keyboard

## VY-MY2030








2.5 Function Code Description

| No. | Label | Physical Interface | Description |
|---|---|---|---|
| ① | RS-422 | Control Output (Ta, Tb, Ra, Rb) | 1. Connects to the RS485 bus of cameras or decoders; (Ta) connects to RS485+, (Tb) connects to RS485-. <br> 2. Connects to the RS422 bus of cameras; (Ta) connects to RXD IN-, (Tb) connects to RXD IN+, (Ra) connects to TXD IN-, (Rb) connects to TXD IN+. |
| ② | Ground | Control Line Ground (G) | Ground terminal for control signal lines |
| ③ | PW | Power Indicator | Red, stays on when the control keyboard is in operation |
| ④ | TXD | Transmit Data Indicator | Green, flashes when data is being transmitted |
| ⑤ | RXD | Receive Data Indicator | Green, flashes when data is being received |
| ⑥ | DC-12V | Power Input | 12V DC power input |

## Functional description:

1. Adopts multiple interface control signals including RS485, RS422 and RS232, supporting up to 255 cameras.
2. Supports PELCO-D, PELCO-P and VISCA control protocols.
3. Metal shell with computer keyboard key design.
4. Equipped with a 3D joystick for variable-speed control of cameras.
5. Capable of controlling camera rotation, zoom, aperture, focus and other camera parameter settings.
6. LCD Chinese-English display, real-time showing the working status of decoders and matrices.
7. With key sound prompt function.
8. Unique control code learning function, allowing users to modify control code commands by themselves.
9. Any device on the RS485 bus can be individually set with different protocols and baud rates.
10. The RS422 communication interface has short-circuit and overcurrent protection with automatic recovery function.
11. The maximum communication distance reaches 1200 meters (0.5mm twisted pair).

## Technical specifications:

| | |
|---|---|
| Model | VY-MY2030 |
| Communication Method | RS485 Half-Duplex, RS422 Full-Duplex, RS232 Serial Port |
| Control Protocol | PELCO-D, PELCO-P, VISCA |
| Communication Baud Rate | 2400bps, 4800bps, 9600bps, 19200bps |
| Interface Method | 5PIN Terminal Block, RS232 Interface |
| Control Joystick | 3D (Controls: Up, Down, Left, Right, Rotation) |
| Display Method | LCD Blue Screen Display |
| Input Voltage | DC12V |
| Dimensions | 320mm (L) X 179.3mm (W) X 106.4mm (H) |
| Power Consumption | 6W |