

PTZ Camera Controller

KEY FEATURES

● KBD-1020N



- Cross Protocol Mix-control with IP and Serial control in one single system.
- Protocol support: NDI, Visca-Over-IP, Pelco D/P, Onvif IP, Visca
- Web UI Interface Device Management
- Supports any brand of Visca Over IP cameras in a same system.
- 3-Way simultaneous joystick control.

FUNCTIONALITY

- Easy, ergonomic PTZ control of multiple remote cameras for live event production and content creation. Applications: Education, Broadcast, Video Conferencing, House of Worship etc.
- Support serial RS232/RS422 and IP mix-control in a single system.
- IP control supports NDI, Visca Over IP, Onvif IP.
- Joystick and seesaw Zoom control
- High-quality joystick that allows effortless one-handed pan, tilt and zoom adjustments.
- Quick Access features include the control of Exposure, Shutter Speed, Iris, Compensation, White Balance, Focus, PT Speed, Zoom Speed.
- Automatically search available IP cameras in the network and assign IP addresses easily.
- Roll-Axis Adjustment with using Seesaw, works with SD530, and EX1030 series Bolin Outdoor PTZ Cameras
- Joystick Calibration by user
- More Functional Web Interface, search for cameras on the network, assign camera numbers and names, Assign Function Keys, 255 VISCA Steps (Select Bolin Cameras), Import/Export Configurations
- Supports 2 groups of 7 cameras per group (2x7) via Visca RS422 daisy chain control.
- Up to 6 selectable ASSIGN function keys
- Compatible with Black Magic SDI video router, to switch camera on the router with PTZ camera control.
- Firmware upgrade via USB to keep the formance up to date.
- Tally Indicator: Includes Normal Tally/On-Air Tally/Contact Modes
- Available both 12VDC and PoE power input. Wide range power voltage tolerance: 5V – 48V, provides longer distance power run and suitable for vehicle use.



PTZ Camera Remote Controller



Cross Protocol Mix-control with IP and Serial RS232/RS422 in one single system.



Product Specification

Model No.	KBD-1020N
Input/Output Connectors	
Control Input/Output	RS232: RJ45 x1 RS422: RJ45 x2 LAN: RJ-45 x 1, 10BASE-T/100BASE-TX automatically detected Tally In/Contact Out: 9pin x1 USB2.0*: Type A x1
Control Signal Format	Baud Rate: 2400/4800/9600/19200/38400 (For RS232, RS422) VISCA over IP communication
Power Connector	JEITA type 4 (12VDC), RJ45x1 for POE (IEEE 802.3af), RJ45x3 for Power Over Control
Firmware Upgrade	USB2.0 for FW Upgrade Only
User Interface	
Joystick	3-Way, Pan/Tilt/Zoom, Joystick Calibration by user
Display	LED Screen, LED Color Green
Speed Control	Yes, 2 Knobs (Pan/Tilt, Zoom)
Zoom Seesaw Lever	Yes, Zoom/Roll-Axis
Zoom Ring of Joystick	Yes
ASSIGN Button	Yes, 6
3-Way Simultaneously Control	Yes, Pan+Tilt+Zoom
Web Interface	Camera discovery on the network, assign camera numbers & names, Joystick Calibration, Assign Function Keys, Import/Export
Camera Control	
Maximum Camera Control	Allow to control up to total 255 cameras with combining multiple protocols use in a single system.
Maximum IP Connections	Onvif/VISCA Over IP: 255
Maximum Serial Connections	RS232: 7(VISCA), RS422: 2x7 (VISCA), RS485:255(Pelco P/D)
Control Protocol	Pelco P/D over RS485, Visca over RS232/RS422 Onvif, VISCA over IP, NDI
Max Controller Qty/System	255 via IP control
Key/Button Illumination	Yes, multi-color LED indicators
Third-Party Device Support	Black Magic SDI router/switch, Control type: RS422, Control Method: Camera switching with PTZ control File of PTZ camera configuration and keyboard setting Export/Import via IP
Direction Function of Buttons/Knobs	
Exposure Model Selection	Yes, Button + Knob, Full Auto, Iris Priority, Shutter Priority, Manual Iris Gain, Manual Shutter Gain, Black Level.
OPW Auto Adjustment	Yes, Button
BLC	Yes, Button
Display the Status of WB,Iris,Gain,Shutter,Focus	Yes
WB Model Selection	Yes, Button
R,B Gain Adjustment	Yes, Knob
Iris Value Adjustment	Yes, Knob
Shutter Speed Adjustment	Yes, Knob
Focus Model Selection	Yes, Button
One-Push Auto Focus	Yes, Button
Manual Focus	Yes, Knob
General	
Power/Input & Voltage	Independent power input 12VDC voltage tolerance 6V ~ 48V, POE(IEEE802.3at), Power over RS422/232 via Junction Box included. Power transmit up to 80-100 meters, 48VDC for vehicle use
Current Consumption	6W
Operation Temperature	0°C ~ 40°C, (32°F to 104°F)
Storage Temperature	-20°C ~ 60°C, (-4°F to 140°F)
Dimensions	278 mm x 132 mm x 99.5 mm (Without Base Bracket)
Weight	1kg (Without Base Bracket)
Supplied accessories	Power Adapter and power core (110VAC~220VAC to 12VDC/2A) x1, Junction Box and Control Cable x 1, Magnetic Base Bracket x1, Tally
Optional accessories	RJ45 Adapter for RS232 + RJ45 Coupler, RJ45 Adapter for RS422 + RJ45 Coupler
Notes	Available functions/specifications depend on camera specification Functions may differ based on different version of the firmware. * USB2.0 for firmware upgrade only.