PTZ Camera Remote Controller

- KBD-1010-R
- KBD-1010-RN
- KBD-1010-RNV

KEY FEATURES

- Cross protocol mix-control with RS232/RS422 and IP
- Protocol support: Visca, Pelco D/P, Onvif, Visca over IP, CGI*
- Quick Access Control
- 2 groups of daisy chain Visca control up to 14 cameras
- Unlimited controllers control up to total 255 IP cameras on a single network.
- High-quality sync-6-way joystick control
- Independent and flexible way of dual power input: 12VDC, POE, power via RS422/232 ports

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.

• This compact remote controller features a high-quality joystick that allows effortless one-handed pan, tilt and zoom adjustments. Zoom can also be controlled via the joystick or a supplementary seesaw lever; dedicated knobs and control buttons simplify direct access to frequently-needed camera functions without needing to use the camera menus.
• Quick Access features include the control of Exposure, Shutter Speed, Iris, Compensation, White Balance, Focus, PT Speed, Zoom Speed.

• The controller supports serial RS232/RS422 and IP mix-control. It allows you to use RS232/RS422/IP control on one controller to control cameras in a single system.

• With IP control, automatically search available IP cameras in the network and assign IP addresses easily. IP control supports Onvif, CGI*, Visca Over IP.

• Supports 2 groups of 7 cameras per group (2x7) via Visca RS422 daisy chain control. Up to unlimited controllers can operate on a single network to control up to total 255 analog/IP cameras.

• Up to 256 camera presets with memory of image parameters and 8 patterns/cruises to recall camera moves. (Requires camera support)

• Up to 6 selectable ASSIGN function key, additional functions can be assigned to ASSIGN buttons.

• Multi-color Key/Button illumination indicates the status of the camera and control functions.

• Full compatibility is provided with all Bolin PTZ cameras and Sony BRC,SRG series PTZ cameras and most PTZ cameras in the market that support RS232/RS422/RS485/IP control.

• Control firmware upgrade is available via USB to keep the performance of the controller up to date.

• Tally Indicator: Includes Normal Tally/On-Air Tally/Contact Modes

• Provides independent and flexible way of dual power input: 12VDC, POE, power via RS422/232 ports by using the Junction Box included.
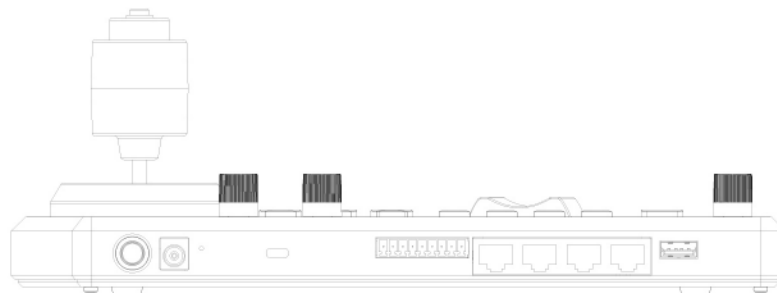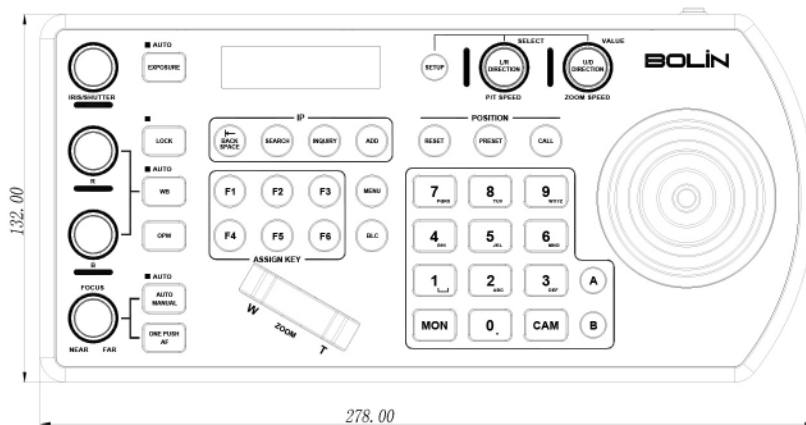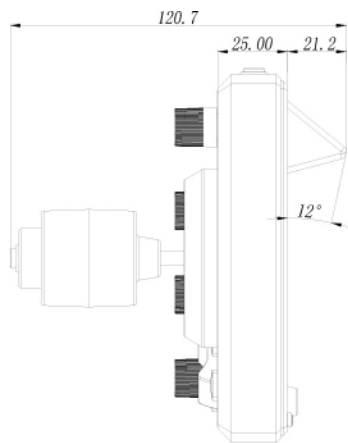
* Features to be supported on future firmware release.

BOLIN TECHNOLOGY

PTZ Camera Remote Controller

Visca RS422 Group A: 7 cameras

Visca RS422 Group B: 7 cameras

KBD-1010-RNV

DC 12V

POE | IP
VISCA over IP
CGI

Visca RS232: 7 cameras

Pelco RS485: 255 cameras

Up to Unlimited Controllers, total 255 cameras in a single network

Dimensions Unit:mm

120.7

25.00 21.2

12°

132.00

278.00

DC 12V 🔒 TALLY/CONTACT RS232 IP B-RS422-A USB 2.0 (For Firmware Upgrade Only)

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BOLIN TECHNOLOGY

Product Specification

Model No.	KBD-1010-R	KBD-1010-RN	KBD-1010-RNV
Input/Output Connectors			
Control Input/Output	RS232: RJ45 x1 RS422: RJ45 x2 LAN: RJ-45 x 1 Not Activated Tally In/Contact Out: 9pin x1 USB2.0*: Type A x1	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	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 In)		
Firmware Upgrade	USB2.0 for FW Upgrade Only		
User Interface			
Display	LED		
Speed Control	Yes, 2 Knobs (Pan/Tilt, Zoom)		
Zoom Seesaw Lever	Yes		
Zoom Ring of Joystick	Yes		
ASSIGN Button	Yes, 6		
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 Only: 255	Onvif/VISCA Over IP Only: 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 -	Pelco P/D over RS485, Visca over RS232/RS422 Onvif	Pelco P/D over RS485, Visca over RS232/RS422 Onvif, VISCA over IP, CGI**
Max Controller Qty/System	Unlimited		
Key/Button Illumination	Yes, multi-color LED indicators		
Direction Function of Buttons/Knobs			
Exposure Model Selection	Yes, Button		
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 supply 12VDC(9V ~ 12V), POE(IP), Power via RS422/232 port using Junction Box included. Power transmit up to 80-100 meters		
Current Consumption	3W		
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 (110VAC~220VAC to 12VDC/2A) x1, Power and RS232/RS422 Junction Box and Control Cable x 1, Magnetic Base Bracket x1, Phoenix connectorX1, User manual		
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. ** CGI feature to be supported on future firmware release.		

ORDER INFORMATION

- KBD-1010-R   RS232/RS422/RS485
- KBD-1010-RN   RS232/RS422/RS485, IP-Onvif
- KBD-1010-RNV RS232/RS422/RS485, IP-Onvif, Visca-Over-IP

- KBD-K422 (RJ45 to RS232 Cable Adapter+RJ45 Coupler)
- KBD-K232 (RJ45 to RS232 Cable Adapter+RJ45 Coupler)
- KBD-JB01 (Junction Box)