

KBD9000 Transmitter/Controller

FIXED SPEED, COAXITRON®, DESKTOP

Product Features

- Low Cost
- 120 VAC Input
- Reliable, Flexible
- Fixed Speed (15-Bit) Coaxitron® Compatibility
- Single Coaxial Cable Controls All Functions
- Control Functions Include Pan/Tilt, Lens Control, and Auto/Manual Scan
- For Standard Mode (Non-Preset) Operation

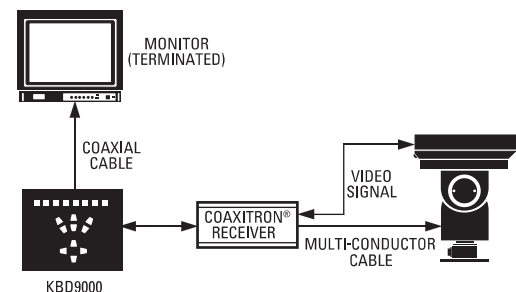


The **KBD9000** transmitter/controller is a low cost, compact, desktop keyboard designed to work with Coaxitron® fixed speed receivers. It uses the standard mode (15-bit) Coaxitron protocol for fixed speed operation.

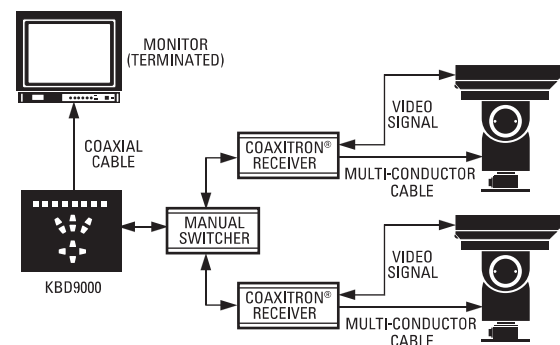
The **KBD9000's** control functions include pan/tilt, zoom, focus, iris, camera power, auto/manual scan, and auxiliary operation — all via easy-to-use keyboard commands.

The control functions operate simultaneously over the same coaxial cable as the video transmission by utilizing the vertical blanking interval, during which pulses are superimposed upon the normal video signal at a point where it is unnoticeable on the monitor. Thus, the need for additional control cables is eliminated. Coaxitron control is ideal in applications where short-to-medium distances are involved (up to 1,500 feet/457 m).

The simplest system configuration consists of the **KBD9000** transmitter/controller, coaxial cable, receiver, and camera/pan and tilt system. This basic Coaxitron system is flexible and can be expanded to control multiple camera sites with the addition of a passive switching device. In addition, multiple **KBD9000** transmitters/controllers can control multiple receivers if a more complex system is required.



BASIC CONFIGURATION



MULTIPLE CAMERA CONFIGURATION



TECHNICAL SPECIFICATIONS

MODEL

KBD9000 Desktop Coaxitron transmitter/controller with pan, tilt, and zoom lens control. 120 VAC.

ELECTRICAL

Input Voltage 12 VAC from a 120 VAC, 60 Hz wall transformer (supplied)
Power Consumption 2.5 VA
Electrical Connections Two BNC connectors (video input and output)
Input Impedance 75 ohms or high impedance (HiZ), switchable
Control Method 15-pulse train (pulse width modulated) superimposed on the video signal during the vertical blanking interval by the KBD9000 control transmitter. Pulse train occupies one TV line period.
Pulse Amplitude Approximately 1 Vp-p added to video signal, 333 kHz nominal
Input Video Level 1 Vp-p nominal; 2 Vp-p maximum at less than 75% APL; 1.5 Vp-p maximum at 90% APL
System Bandwidth Less than 2 dB down at 10 MHz (exclusive of cable)

CONTROLS

Camera Power Two push-button switches for On/Off control (latching function)
Aux 1, 2 Two push-button switches for latching functions
Aux 3, 4 Two push-button switches for momentary functions
Pan Two push-button switches for Auto/Man pan control (latching function)
Focus Two push-button switches for Near/Far focus control
Zoom Two push-button switches for Tele/Wide zoom control
Iris Two push-button switches for Open/Close iris control
Pan/Tilt Four push-button switches for Pan/Tilt control

GENERAL

Construction Aluminum
Finish Gray polyester powder coat
Dimensions 2.21" H x 8.10" W x 7.16" D (5.61 cm x 20.57 cm x 18.19 cm)
Unit Weight 1.95 lb (0.90 kg)
Shipping Weight 5.0 lb (2.27 kg) approximate

CERTIFICATIONS/RATINGS

- FCC, Class B
- Meets NEMA Type 1 standards

RELATED PRODUCTS

ERD2200 Outdoor, fixed speed, Coaxitron receiver
IRD2024 Indoor, fixed speed, Coaxitron receiver
LRD41A11 Series Legacy® fixed speed receiver, Coaxitron compatible

OPTIONAL ACCESSORIES

EA2000 Half-duplex equalizing amplifier maintains control signal up to 3,000 feet (914 m) using RG59/U coaxial cable



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