

# 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

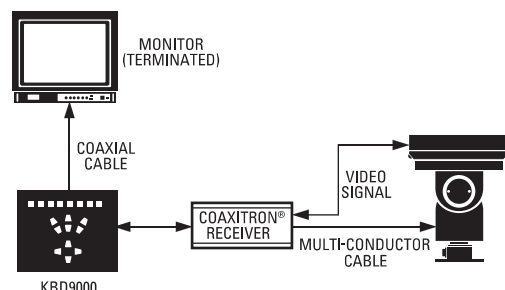


The **KBD9000** transmitter/controller is a low cost, compact, desktop keyboard designed to work with Coaxitron® fixed speed receivers. It uses the standard mode (15-bit) Coaxitron protocol for fixed speed operation.

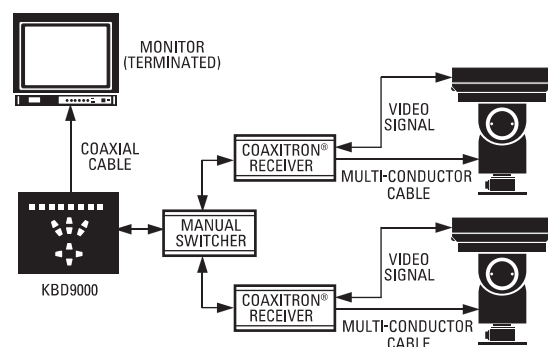
The **KBD9000's** control functions include pan/tilt, zoom, focus, iris, camera power, auto/manual scan, and auxiliary operation — all via easy-to-use keyboard commands.

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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