



PRODUCT SPECIFICATION

KBD300A Keyboard

FULL-FUNCTION, FIXED/VARIABLE-SPEED, PTZ CONTROL



Product Features

- Keyboard to Control:
 - CM6700/CM6800/CM9760-SAT Matrix Switchers
 - Genex® Multiplexer When Used with CM6700 and CM6800
 - Up to 16 Receivers Directly from Keyboard (such as Spectra® and Esprit™)
- Automatically Recognizes Mode of Operation
- Joystick Control of PTZ Functions
- Preset Position and Pattern Control
- Auxiliary Operation
- Auto/Random/Frame Scanning
- Programming of CM6700/CM6800/CM9760-SAT/CM9760-MDA

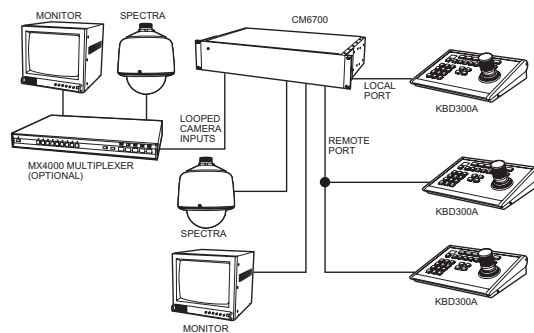
The **KBD300A** Keyboard is a full-function, desktop keyboard controller that can be used in a variety of applications.

A barrel-type joystick provides precise pan and tilt control of fixed-speed and variable-speed receivers. Twisting the joystick clockwise or counterclockwise zooms the lens in or out.

Keys select cameras and monitors; operate presets, patterns, auxiliaries, and sequences; open and close the iris; zoom and focus the lens; and start and stop auto, frame, and random scanning.

The keyboard can be used in three modes of operation: CM6700 Mode, CM6800 Mode, and Direct Mode. The **KBD300A** Keyboard automatically recognizes the mode.

In the first two modes, the keyboard is plugged into a CM6700, CM6800 or CM9760-SAT Switcher/Controller Unit (SCU) and is used to program and operate the SCU. The maximum number of keyboards per unit is eight (CM6700 and CM6800-32X6), sixteen (CM6800-48X8) or four (CM9760-SAT). In CM6700/CM6800 applications, the keyboard can control cameras connected directly to the SCU or through an MX4000 Series Genex Multiplexer.



CM6700 MODE

If you do not need all the features of the CM6700/CM6800 SCU, but want the same keyboard functionality, then one keyboard can be wired directly to camera receivers in Direct Mode (KBDKIT required). Up to 16 receivers can be wired to a keyboard; however, a switcher such as an MS500 or VA6100, is required to route video to the monitor. Direct Mode uses two-wire control of receivers using Pelco's P protocol.

The **KBD300A** Keyboard can also be used for on-screen programming of the CM9760-MDA Master Distribution Amplifier.



International Standards Organization Registered Firm ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODEL

KBD300A Desktop keyboard with full switching and programming capabilities, plus joystick control of PTZ functions

ELECTRICAL

Input Voltage 12 VAC or ± 12 VDC
 Power Consumption 1 watt
 Keyboard Connector RJ-45, 8-pin, modular (female)
 Keyboard Communication

CM6700/CM6800 Mode

Interface RS-485
 Protocol Pelco ASCII
 Baud 9600
 Communication Parameters 8 data bits, odd parity, 1 stop bit

Direct Mode

Interface RS-422
 Protocol Pelco P
 Baud 4800
 Communication Parameters 8 data bits, no parity, 1 stop bit

GENERAL

Keyboard Keypad Electromechanical
 Joystick 3-axis, vector-solving, with twisting, return-to-center head
 Display Red LED, 7-segment, 2 cells
 Dimensions 2.25" H x 9.50" W x 7.125" D (5.72 x 24.13 x 18.10 cm)
 Weights
 Unit 2.5 lb (1.12 kg)
 Shipping 5 lb (2.26 kg)

ENVIRONMENTAL

Ambient Operating Temperature 20° to 120°F (-7° to 49°C)
 Humidity 10-90% non-condensing

CERTIFICATIONS/PATENTS

- ◆ CE, Class A
- ◆ UL Listed
- ◆ UL Listed to Canadian safety standards
- ◆ FCC, Class A

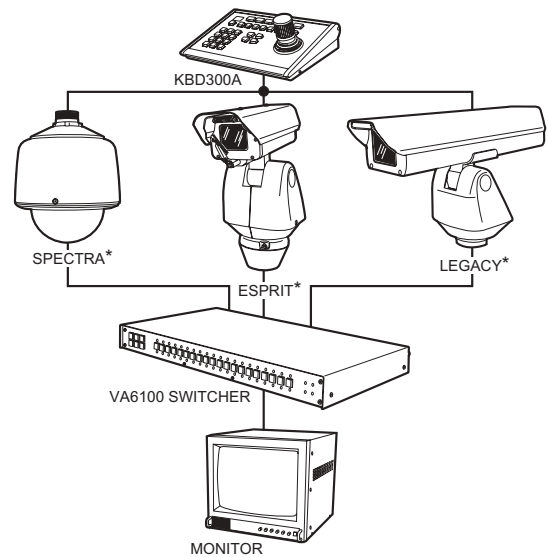
SUPPLIED ACCESSORIES

25-foot (7.6 m) RJ-45 data cable

OPTIONAL ACCESSORIES

KBDKIT Remote keyboard wiring kit. Required if connecting KBD300A Keyboards to the Remote Keyboard Port on the SCU (CM6700/CM6800 Mode) or when using a single keyboard in Direct Mode applications. Includes two RJ-45 wall blocks and one 120 VAC to 12 VAC transformer. Maximum cable distance for RS-422/RS-485 communication over 24-gauge wire is 4,000 feet (1,219 m). Use shielded twisted pairs cable that meets basic requirements for RS-422/RS-485 applications. (One wall block and transformer required for each keyboard.)

KBDKIT-X Same as KBDKIT except includes 230 VAC to 12 VAC transformer



* SPECTRA AND ESPRIT HAVE BUILT-IN RECEIVER. LEGACY REQUIRES LRD41C SERIES RECEIVER.

DIRECT MODE