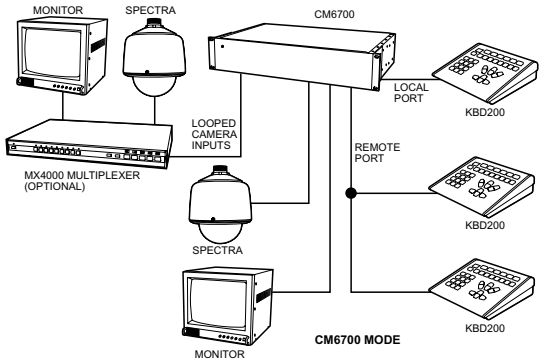
KBD200 Keyboard

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

CE
UL LISTED
c UL

Product Features

- Keyboard to Control:
  - CM6700 Switcher/Controller
  - Genex® Multiplexer When Used with CM6700
  - Up to 16 Receivers Directly from Keyboard (such as Spectra® and Esprit™)
- Multi-Speed Control of PTZ Functions
- Preset Position and Pattern Control
- Auxiliary Operation
- Auto/Random/Frame Scanning
- Programming of CM6700



The **KBD200** Keyboard is a full-function, desktop keyboard controller that can be used in a variety of applications.

Left, right, up, and down keys provide precise pan and tilt control of fixed-speed and variable-speed receivers. Variable-speed equipment is controlled by programming the speed with the keyboard.

Additional 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 keyboards can be used in three modes of operation: CM6700 Mode, ASCII Mode, and Direct Mode.

In the first mode, the keyboard is plugged into a CM6700 Matrix Switcher/Controller Unit and is used to program and operate the SCU. Up to eight **KBD200** Keyboards can be connected to the SCU. The keyboards can control cameras connected directly to the SCU or connected to the SCU through an MX4000 Series Genex Multiplexer. Only one multiplexer can be connected to the SCU.

The ASCII Mode is the same as the CM6700 Mode except that the keyboard communicates with the CM6700 SCU over dial-up or fiber-optic communications lines and requires an RS-232 or RS-422 interface. Only one keyboard can be used with an SCU in the ASCII Mode. If additional keyboards are required, they can be connected directly to the SCU and used in the CM6700 Mode.

If you do not need all the features of the CM6700 SCU, but want the same keyboard functionality, then one **KBD200** Keyboard can be wired directly to camera receivers in the 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.

TECHNICAL SPECIFICATIONS

MODELS

KBD200	Desktop keyboard with full switching and programming capabilities, plus multi-speed 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, 6700 and ASCII Modes	
Interface	RS-485
Protocol	Pelco ASCII
Baud	9600
Communication Parameters	8 data bits, odd parity, 1 stop bit
Keyboard Communication, Direct Mode	
Interface	RS-422
Protocol	Pelco P
Baud	4800
Communication Parameters	8 data bits, no parity, 1 stop bit

GENERAL

Keyboard Keypad	Mechanical
Display	Red LED, 7-segment, 2 cells
Multiplexer Mode Indicator	Green LED

ENVIRONMENTAL

Dimensions	2.25" H x 8.125" W x 7.125" D (5.72 x 20.64 x 18.10 cm)
Unit Weight	2.1 lb (0.95 kg)
Shipping Weight	4 lb (1.81 kg)
Ambient Operating Temperature	20° to 120°F (-7° to 49°C)
Humidity	10-90% non-condensing

CERTIFICATIONS

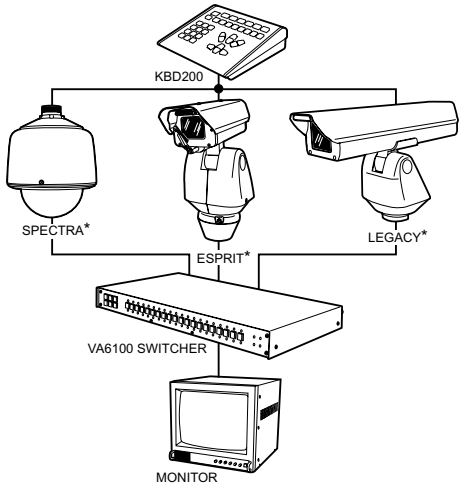
- CE, Class A
- UL listed to Standard 2044
- cUL listed to CSA Standard 22.2 No. 1-94
- FCC, Class A

SUPPLIED ACCESSORIES

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

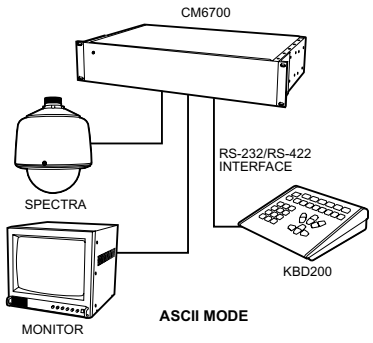
OPTIONAL ACCESSORIES

KBDKIT	Remote keyboard wiring kit. Required if connecting KBD200 Keyboards to the Remote Keyboard Port on the CM6700 Matrix Switcher/Controller in CM6700 Mode. Also required to use the KBD200 in Direct Mode and ASCII Mode. Includes RJ-45 wall block and 120 VAC to 12 VAC transformer. Maximum distance of 4,000 feet (1,219 m) to last keyboard in daisy chain. Use shielded twisted pairs cable that meets RS-485 standards. (One kit 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



ASCII MODE

Pelco • 3500 Pelco Way • Clovis, CA 93612-5699 • Pelco Online @ www. pelco.com
In the US and Canada: Tel (800) 289-9100 • FAX (800) 289-9150 • DataFAX (800) 289-9108
International Customers: Tel +1(559) 292-1981 • FAX +1(559) 348-1120 • DataFAX +1(559) 292-0435