

## CM9760-KBD and CM9760-KBR Series Keyboards

### FULL FUNCTION, VARIABLE-SPEED, PTZ CONTROL

#### Product Features

- Variable-Speed, Vector-Solving Joystick for PTZ and Dome Control
- Joystick Zoom Control Knob
- 24 Programmable Soft Keys, 6 Control Keys, and 3 Lens Control Keys
- LCD Display Provides 4 Lines of Keyboard Information and Options
- Preset Position and Pattern Control
- Auxiliary Operation
- Download Function Key Configurations to and from Other CM9760-KBD Keyboards, through the CM9700 System, or through the CM9700-MGR Software
- Desktop Models Available with a White Finish (CM9760-KBD) or a Black Finish (CM9760-KBD-B)
- Also Available as a Rack-Mount Model (CM9760-KBR)



CM9760-KBD-B



CM9760-KBR

The **CM9760** Series keyboards provide system users with the maximum degree of flexibility in controlling camera call-up and pan/tilt or dome operation. A desktop model (**KBD**) is available in either a white finish or a black finish, and a rack-mount model (black finish only) is also available (**KBR**).

The keyboard includes a variable speed, vector-solving joystick with zoom control knob for pan/tilt/zoom (PTZ) and dome control. All additional lens control functions are positioned next to the joystick for one-handed operation. LCD display keys give system operators fingertip control of powerful programming and operational features. These keys access multiple menus of logically displayed icons for simplistic operation.

Twenty-four programmable soft keys may be individually labeled with installation-specific titles. This allows logical camera selection based on the cameras field of view rather than camera numbers. The keyboard utilizes an adjustable backlit LCD screen to provide the greatest amount of flexibility in a variety of lighting conditions. In addition, all programmable soft keys illuminate when auxiliaries are activated.

From the keyboard, the user can control auxiliary relay activated devices, receivers, camera/monitor switching, multiplexer screen functions, and NVR/DVR playback. The user can create single/dual patterns, zones, zone labels, presets and preset recalls. The user can also arm and disarm alarms as well as implement stand-alone, direct mode operation. The keyboard also includes an adjustable audible beeper that can be used to alert operators of all alarm conditions.



# TECHNICAL SPECIFICATIONS

## MODELS

CM9760-KBD	Full-function desktop variable speed keyboard, white finish. 100-240 VAC, 50/60 Hz.
CM9760-KBD-B	Full-function desktop variable speed keyboard, black finish. 100-240 VAC, 50/60 Hz.
CM9760-KBR	Full-function 19-inch EIA rack mount keyboard (4 RUs); available in black finish only. 100-240 VAC, 50/60 Hz.

A suffix of -US, -UK, -AU, or -EU, designating a region-specific power cord, is added to the above model numbers when ordering. For example, a CM9760-KBD-US is a desktop keyboard (white finish) with a power cord for use in the United States.

## FUNCTIONAL

Joystick	Vector-solving, variable-speed with zoom
Display	Four-line backlit LCD for programming and control
Display Keys	Eight multi-function keys to access programming icons and menus
Definable Keys	Twenty-four programmable "soft" keys
Numeric Keys	Numeric keys (0-9) plus (Cam) and (Mon)
Specialty Keys	
(T) "Turbo"	Activates high speed mode of camera positioning systems
(Fwd/Bwd)	Initiates forward or backward camera sequencing of next/last camera
(Run/Mac)	Initiates sequencing/calls pre-programmed macros
(Rcl/Alt)	Recalls previously selected cameras/calls next camera in group
(Prst/Lock)	Calls preset position scene/locks currently displayed camera to monitor
Lens Control	Three keys for controlling zoom (In/Out), iris (Open/Close), and focus (Near/Far)

## ELECTRICAL

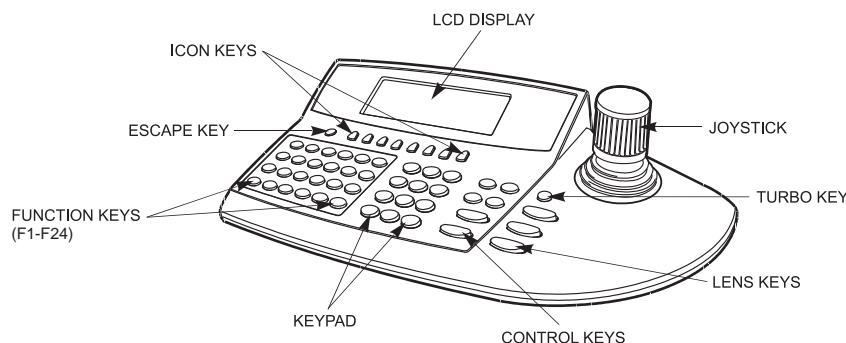
Input Voltage	100-240 VAC, 50/60 Hz
Power Consumption	10 W
Communication	RS-422, full duplex
Operating Distance	
For Direct Control Operation	Up to 3,900 ft (1.2 km) on 24-gauge wire (0.5 mm)
Keyboard Connectors	Five total, as follows: Two 8-pin RJ-45 connectors (female); both RS-422 serial ports One 4-pin RJ-45 connector (female); RS-232 serial port Two 6-pin RJ-45 connectors (female); one relay port; one PC bus port for future expansion
Internal Relay Rating	1 A

## GENERAL

Ambient Operating Temperature	32° to 120°F (0° to 49°C)
Dimensions	
CM9760-KBD	7.80" D x 15.53" W x 3.30" H (19.81 cm x 39.45 x 8.38)
CM9760-KBR	1.75" D x 19.00" W x 7.00" H (4.45 cm x 48.26 x 17.78) Fits 19-inch EIA-standard rack (4 RUs)
Unit Weight	
CM9760-KBD	4.6 lb (2.09 kg)
CM9760-KBR	6.4 lb (2.90 kg)
Shipping Weight	
CM9760-KBD	9 lb (4.08 kg)
CM9760-KBR	11 lb (5.00 kg)

## CERTIFICATIONS

- CE, Class A
- FCC, Class A
- UL/cUL Listed
- C-Tick
- U.S. Patent D464,654



### Pelco, Inc. Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA

**USA & Canada** Tel: (800) 289-9100 • FAX: (800) 289-9150

**International** Tel: +1 (559) 292-1981 • FAX: +1 (559) 348-1120

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