

Calibur and Digiplex System Control in One Keypad



The KTD-405 can operate CyberDomes, DVMR's, and multiplexers; select and switch video; and select monitors.

Kalatel's new KTD-405 combines the best of the KTD-404 keypad with the KB3 keypad, providing Calibur™ and Digiplex® system control in one unit.

An RS422/RS485 communication port makes it possible for the KTD-405 to operate DVMR's, multiplexers, and CyberDomes®; select and switch video; initiate camera tours; and select monitors. Programmable components include DVMR's, multiplexers, CyberDomes, matrix switchers, and alarm interfaces.

The KTD-405 can be set to operate in one of three modes:

discrete zone, transparent zone, and standard Digiplex. In discrete and transparent zone modes, the system can be divided into 32 zones with up to 64 cameras in each zone. Multiplexers and matrix switchers can be used in these modes. In standard Digiplex mode, a matrix switcher is the system's primary switching device.

Other features include a three-axis joystick for exceptional pan/tilt maneuverability in CyberDome applications, dedicated recorder operation keys, and an RS232 programming port.

When call-ins occur, a built-in

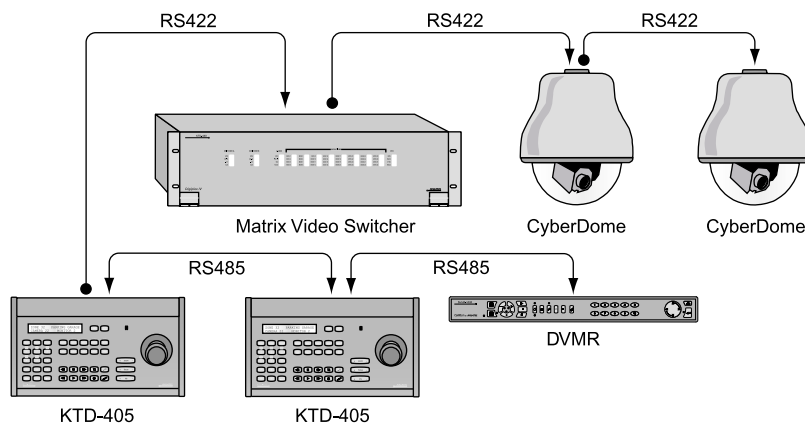
Features

- Calibur and Digiplex system control
- RS422/RS485 and RS232 communication ports
- Zone system partitioning
- Security levels
- Three-axis joystick
- European style housing
- Backlit liquid crystal display

annunciator alerts the user that attention is needed. The KTD-405 can stack up to 32 call-in requests in the order they were received. The first three call-in requests will be displayed, and a reminder tone will sound every 15 seconds until all active call-ins have been cleared from its queue.

Authorized personnel may program the KTD-405 and other Digiplex or Calibur components through confidential access codes.

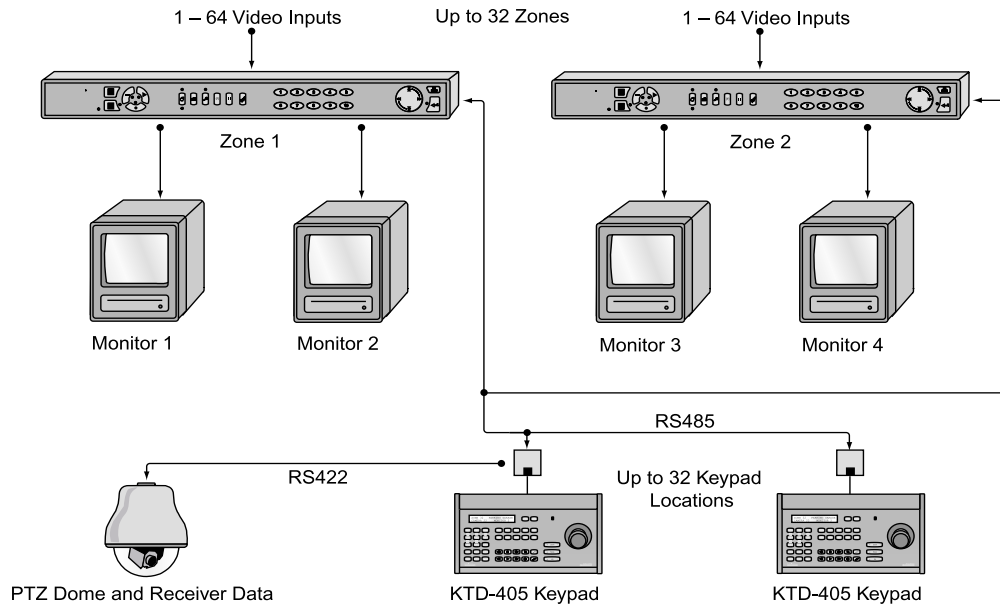
The KTD-405 features dark gray, ergonomic, European-style housing; rubberized buttons; and a backlit liquid crystal display.



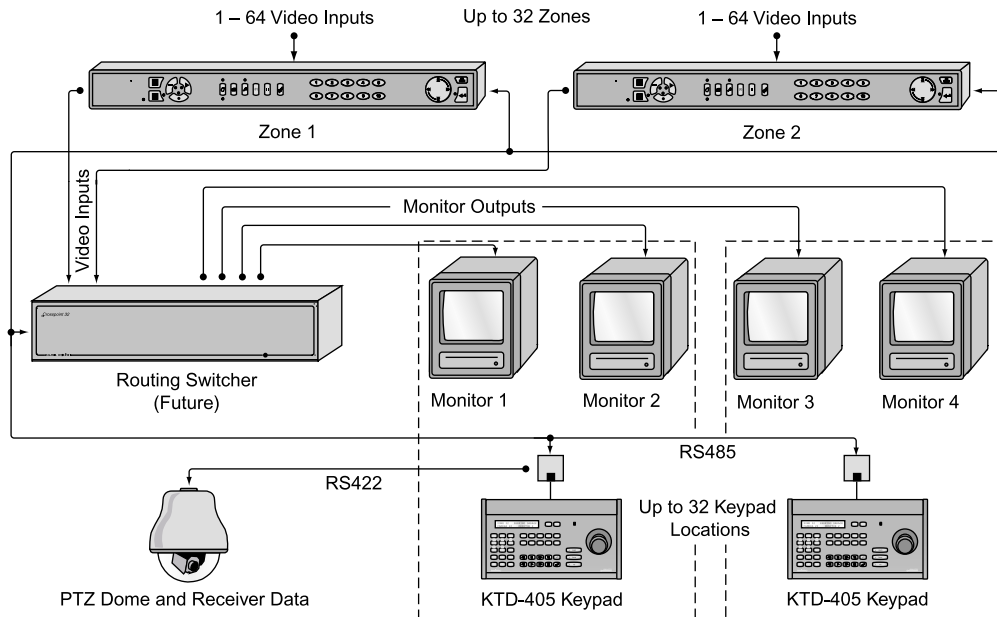
Standard Digiplex System

An RS422/RS485 communication port makes it possible for the KTD-405 to control products such as CyberDomes and matrix video switchers.

Zone System: Dedicated Monitors

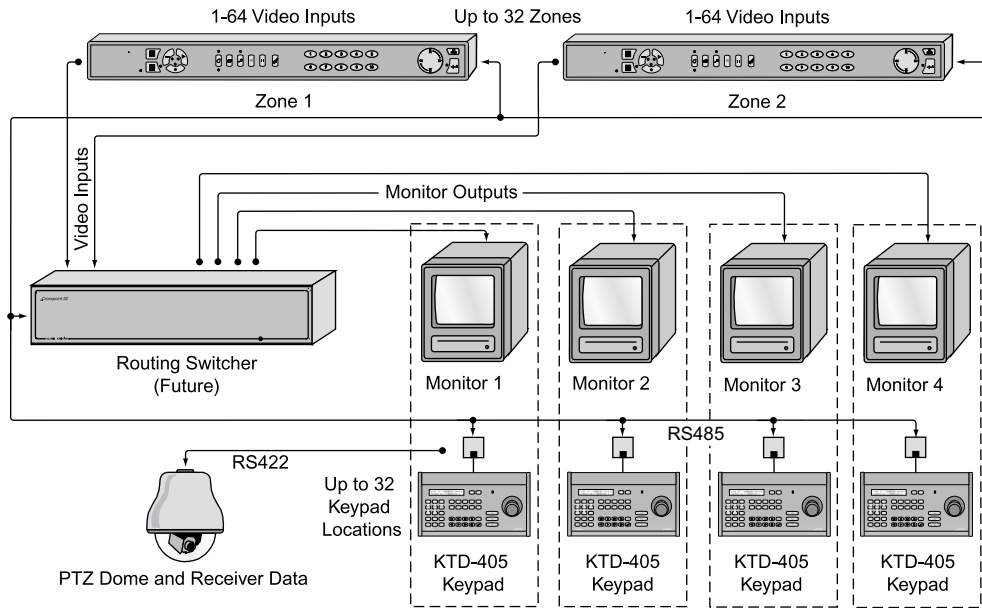


Zone System: Two Monitors per Keypad

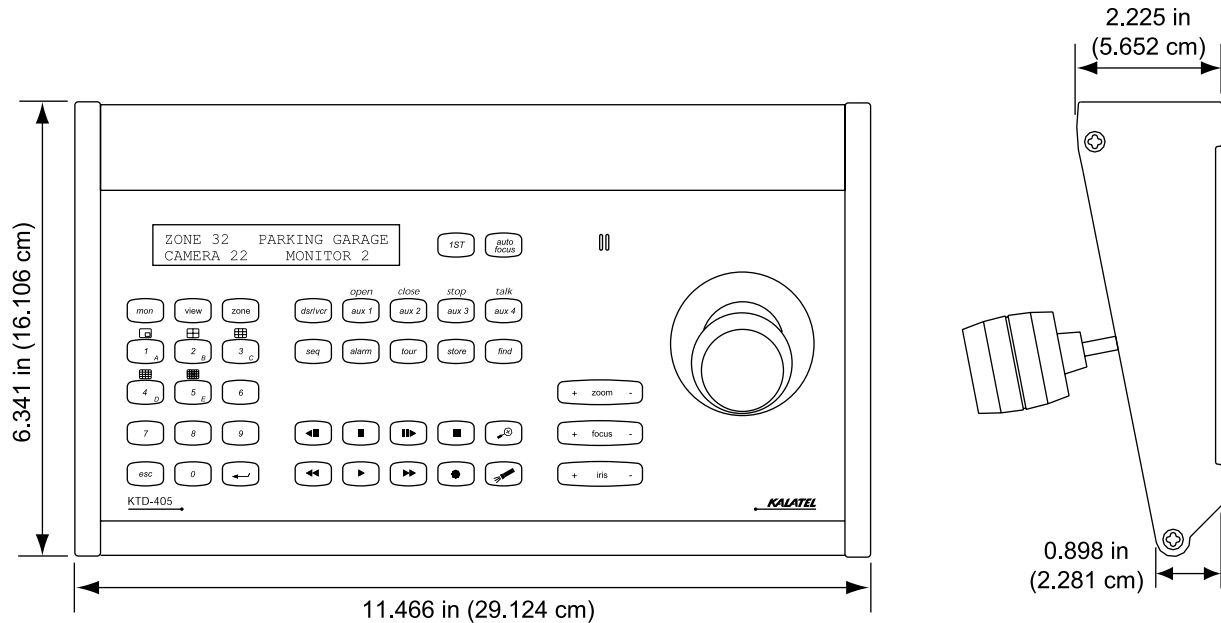


The KTD-405 keypad can be set up to accommodate various system configurations

Zone System: One Monitor Per Keypad



Dimensions



Technical Specifications

Electrical

Input	
Voltage:	9 VAC/12 VDC
Power:	5 W
Output 1:	RS485 modified Calibur protocol, RJ45 connector
Output 2:	RS422 modified Digiplex protocol, RJ45 connector
Output 3:	RS232, RJ45 connector
Microcontollers:	89C51—main CPU and RS485 UART; 89C2051—RS422 UART; 89C2051—RS232 UART
Joystick Interface:	Analog to digital convertor, I ² C type
NV Ram (2 pieces):	64K I ² C type; one reserved for language conversion
Hard programming:	8-position DIP switch

Audio

Sound Transducer:	Intervox Part No. BRT1209P-06-C
Microphone out:	RJ11 connector

Controls

Keys:	40 momentary push buttons
Joystick:	3-axis

Mechanical

Weight:	1.95 lb
Construction	
Housing:	Aluminum with ABS plastic end caps
Color:	Kalatel gray
Keys:	Integrated rubberized molding (elastomere)

Keys and Functions*

0 – 9:	Site, zone, and monitor selection. Also used for preset position selection when applicable.	tour:	Used in combination with number keys 1 through 4 to place CyberDomes in tour mode. If pressed and held for 3 seconds, the keypad beeps and sends an autopan mode to the CyberDome or receiver.
mon:	Used in combination with number keys to select an active monitor from a matrix switcher or multiplexer.	store:	Used to save preset PTZ position at selected camera site.
view:	Programmable for two options: 1) used in combination with number keys to select multi-screen views from multiplexer, or 2) steps selected multiplexer through programmed multi-screen views.	find:	Used to call preset PTZ position for selected camera site.
zone:	Used in combination with number keys to select a zone when the keypad is programmed for that type of operation.	◀	Used to regress selected monitor's DSR or DVMRe one frame backward in pause mode.
esc:	Refreshes alphanumeric display on selected monitor, clears alarm using number keys, clears number entry in entry verification mode.		Places selected monitor's DSR or DVMRe in pause mode.
←	Used in combination with number keys to enter number in entry verification mode. When pressed and held for 3 seconds, the keypad beeps and the password menu appears.	▶▶	Used to advance selected monitor's DSR or DVMRe one frame forward in pause mode.
dsr/vcr:	Used in combination with number keys to address a remote recording device.	■	Places selected monitor's DSR, DVMRe, or VCR in stop mode.
aux 1 – 4:	Field programmable keys for various site-specific applications.	🔍	Used to electronically zoom selected monitor's full screen picture to 2X size.
seq:	Used to select sequence tour on active monitor.	◀◀	Places DSR, DVMRe, or VCR in fast reverse mode.
alarm:	Toggles active monitor between the alarm on and alarm off modes. Also used to call up help menus when remotely programming matrix switcher and CyberDome, and to acknowledge alarm on multiplexer or DVMR.	▶	Places DSR, DVMRe, or VCR in play mode.
		▶▶	Places DSR, DVMRe, or VCR in fast forward mode.
		●	Places DSR, DVMRe, or VCR in record mode.
		🔍	Used to locate video on selected DSR or DVMRe.
		1st:	Used to call up first site in annunciation queue.
		auto focus:	Places selected CyberDome camera in auto focus mode.
		zoom +/-:	Used to control the zoom function on selected receiver site's motorized zoom lens.
		focus +/-:	Used to control the focus function on selected receiver site's motorized zoom lens.

*Normal mode only.

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