

# Keyboard Controller

	Controller			
Image				
Model#	<b>WTX-1300</b>	<b>WTX-1200A</b>	<b>WTX-2100S</b>	<b>WTX-2000S</b>
Features	Touch Pad Smart Keyboard Controller	PTZ Controller	Keyboard Controller	PTZ Controller

# WTX-1300

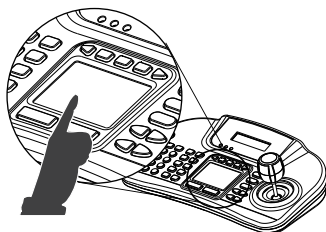
Touch Pad Smart Keyboard Controller



## FEATURES

- **Touch Pad Mouse**
- Controls up to 255 cameras.
- Multiple protocol supported in each channel
- Low energy consuming keyboard
- RS-485 / RS-422 communication
- Programmable user preferences. (Preset, Tour, Pattern, etc.)
- Built-in 3-Axis proportional joystick
- Easy upload of programmed data via serial communication.
- Built-in 2 lines character LCD.
- User password support.
- Programmable transmission speed for each ID
- Easy to be integrated with DVR(key-code value provided)

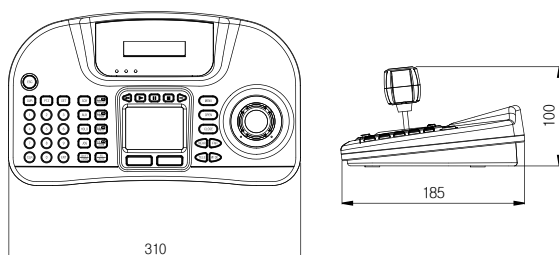
## KEYPOINT



**Touch Pad Mouse Function**

## DIMENSIONS

Unit : mm



## SPECIFICATIONS

MODEL	WTX-1300
Keyboard	Pan/Tilt/Zoom interface : RS-485/422
Communication	DVR interface : RS-485 2400~57600 bps (selectable) Pan/Tilt control distance: 4000 ft (1.2km) on 24 AWG wire Protocol: Multiple (Including Pelco-D, total 9 protocol support)
COMM. Connector Type	Terminal Block(8p) , TX 3Port, TRX 1Port
Key Button	Rubber button Number (10), Function (23), DVR control (5)
Joystick	3Axis Pan/Tilt /Zoom control, movement speed control
Touch Pad Mouse	USB mouse driver , 65.00 x 49.00 mm (standard size) Mechanical Buttons : 2 on module
Power range	9.5 ~15V DC
Power consumption	DC12V /150mA
Display	Character Type 16 character x 2 lines LCD
Operation Temperature	0℃ to 45℃
Humidity	10% -70% non-condensing
Dimension	310 x 185 x 100 mm

### Standard System Configuration through RS-485/232

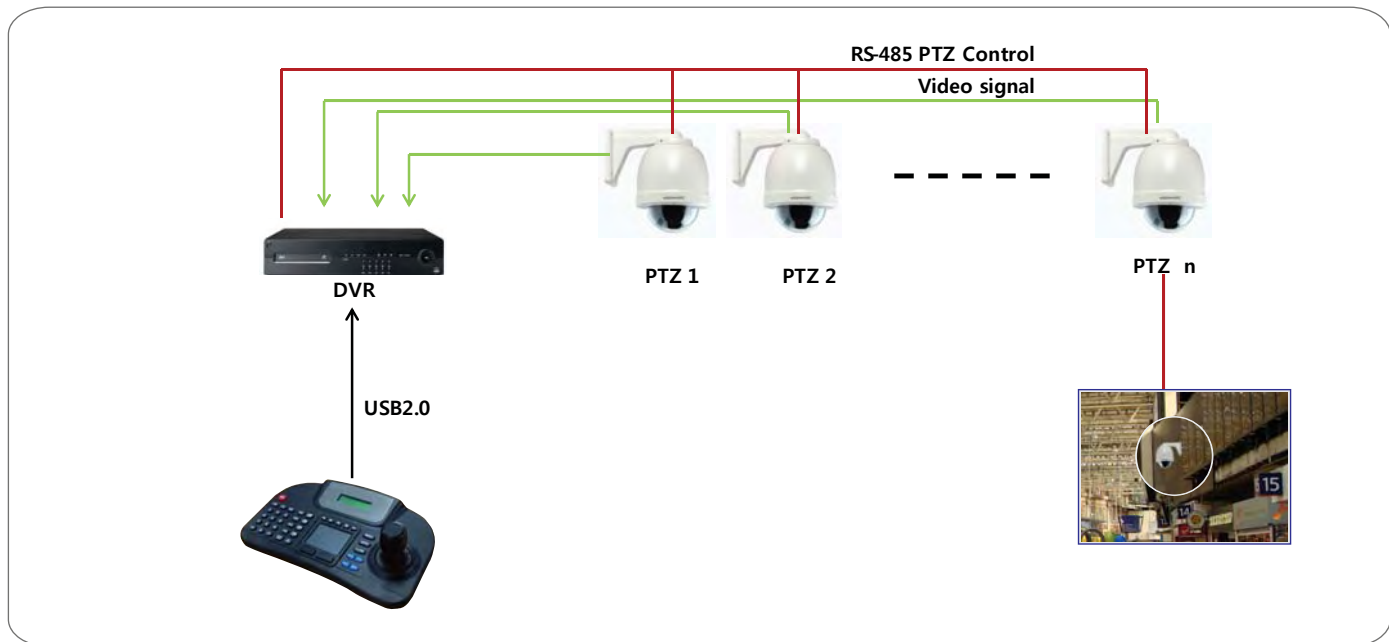
WTX-1300 basically features both of PTZ cameras and DVR control. To be worked with specific type of DVR, the providing DVR protocol is to be implemented to the DVR in advance. It assigns each key button in WTX-1300 to be worked as a control key in DVR.

### Expanded System Configuration through USB connection

WTX-1300 can be also used for controlling CMS or NVR by USB connection to PC or NVR. To be worked with specific CMS or NVR, the providing DVR protocol and USB driver is to be implemented to the CMS or NVR in advance.

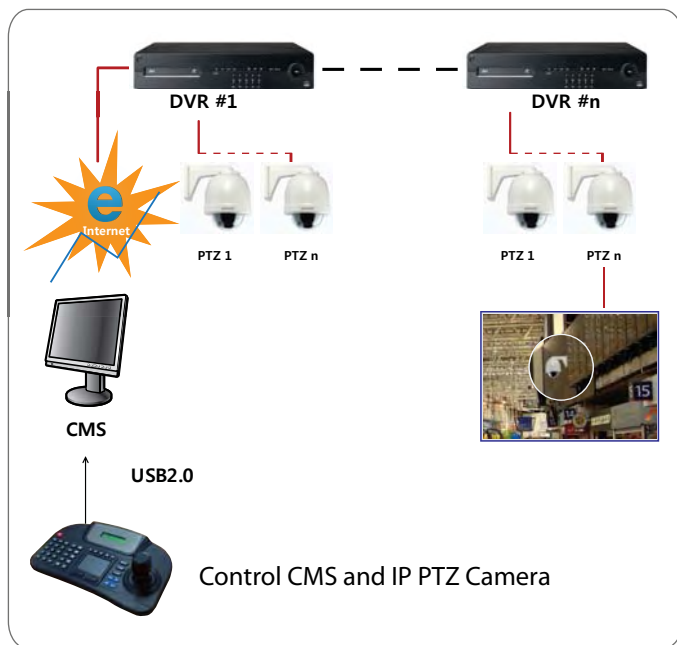
# ••• BASIC SYSTEM CONFIGURATION

## SYSTEM CONFIGURATION

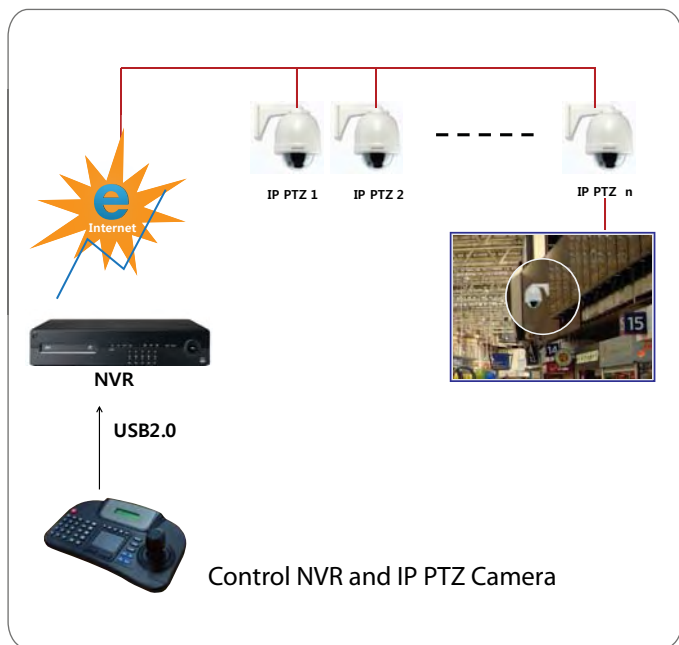


# ••• EXPANDED SYSTEM CONFIGURATION

## CMS CONTROL



## NVR CONTROL



# WTX-1200A

PTZ Controller



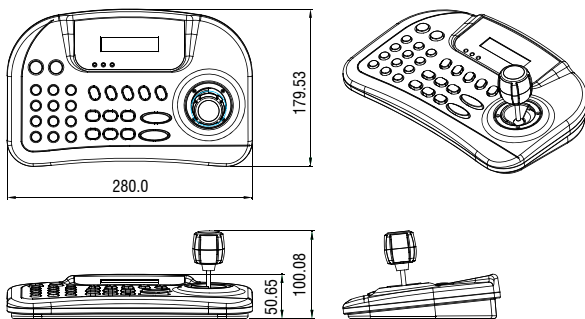
WTX-1200A

## FEATURES

- USB mouse function
- Operate with 9V battery
- Controls up to 255 cameras.
- Multiple protocol supported in each channel
- RS-485 / RS-422 communication (Tx : 3 port, TRx :1 port).
- Programmable user preferences. (Preset, Tour, Pattern, etc.)
- Built-in 3-Axis proportional joystick
- Easy upload of programmed data via serial communication.
- Built-in 2 lines character LCD.
- User password support.
- Programmable transmission speed for each ID. (2.4~57.6kbps)
- Easy to be integrated with DVR(key-code value provided)

## DIMENSIONS

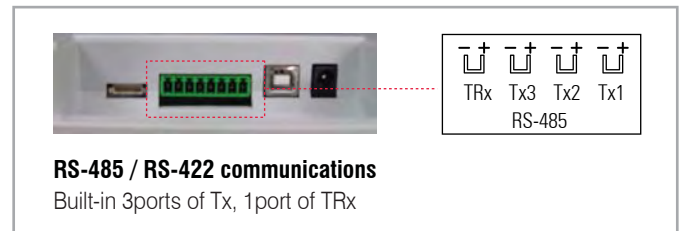
Unit : mm



## SPECIFICATIONS

MODEL	WTX-1200A
Keyboard Communication	Interface : RS-485 / RS-422
	Operating distance : 4000ft (1.2Km) on 24 AWG wire
	Protocol : Multiple (Pelco-D, Pelco-P, WONWOO, Etc.)(Baud rate selectable)
Connector Type Data	TERMINAL BLOCK(8p)
Keyboard Button	Rubber button
	Numeric keypad and camera function key
Joystick	Stick 3-axis, variable speed with zoom
Input Voltage	DC 12V or 9V battery (Battery mode)
Power Consumption	Max. 140mA
LCD Display	Graphic display 16 character x2 lines
Operating Temperature	0°C ~ 45°C
Humidity	10% ~70% Non-condensing
Dimension	280(W) x 100.08(H) x 179.3(D)mm
Weight	0.7 kg
Packaging includes	WTX-1200A KEYBOARD, ADAPTOR
	Includes : USB CABLE, MANUAL, TERMINAL BLOCK(8p)

## FUNCTIONS



# WTX-2100S

## Keyboard Controller

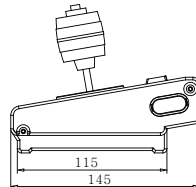
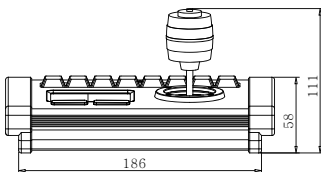
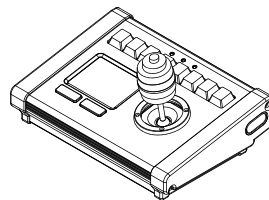
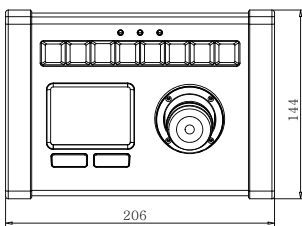


### FEATURES

- Mini size PTZ controller
- IR On / OFF Button useful for IR PTZ cameras
- Day&Night ON/OFF button
- Wiper ON/OFF button
- Fan & Heater ON/OFF function
- 3-Axis Joystick control of PTZ functions
- Preset position control (4 postions)
- Multiple protocol supported in each channel (Pelco D, WONWOO)
- Slave Keyboard support.

### DIMENSIONS

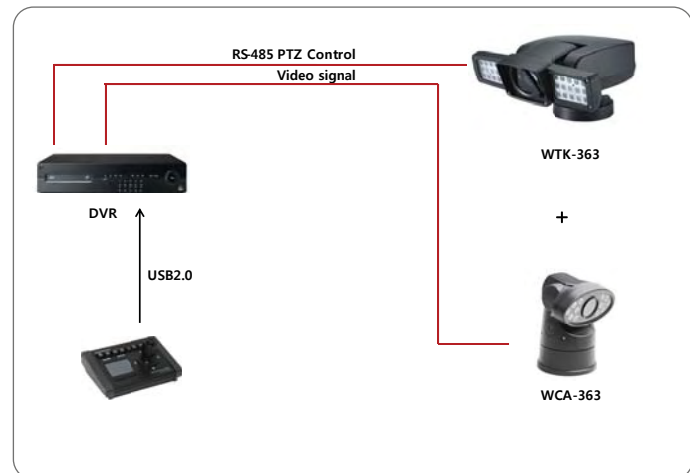
Unit : mm



### SPECIFICATIONS

MODEL	WTX-2100S
Keyboard Communication	Interface : RS-485 / RS-422
	Operating distance : 4000ft (1.2km) on 24 AWG wire
	Protocol : Multiple (Pelco-D, DRX-502)
Connector Type Data	RJ-11 6-pin modular jack
Keyboard Button	5 pcs Keyboard buttons Camera function button(F1, F2, Focus Far/Near), Menu button
Joystick	Pan / Tilt zoom control, variable speed control
Input Voltage	DC 12V ±2V
Power Consumption	Max. 140mA
Operating Temperature	0°C ~ 45°C
Humidity	10% ~70% Non-condensing
Dimensions	206(W) x 111(H) x 144(D) mm
Weight	0.5kg

### SYSTEM CONFIGURATION



# WTX-2000S

PTZ Controller

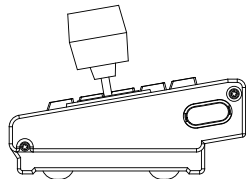
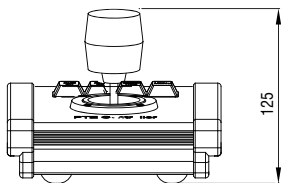
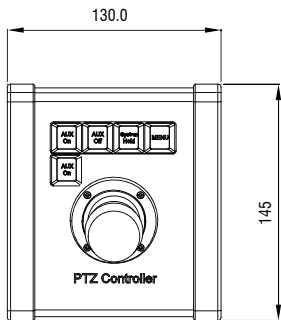


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- Mini size PTZ controller
- IR On / OFF Button useful for IR PTZ cameras
- Fan & Heater ON/OFF function
- 3-Axis Joystick control of PTZ functions
- Preset position control (4 positions)
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Keyboard Communication	Interface : RS-485
	Operating distance : 4000ft (1.2km) on 24 AWG wire
	Protocol : Multiple (Pelco-D, DRX-502)
Connector Type Data	RJ-11 6-pin modular jack
Keyboard Button	5 pcs Keyboard buttons
	Camera function button(F1, F2, Focus Far/Near), Menu button
Joystick	Pan / Tilt zoom control, variable speed control
Input Voltage	DC 12V ±2V
Power Consumption	Max. 140mA
Operating Temperature	0°C ~ 45°C
Humidity	10% ~70% Non-condensing
Dimensions	130(W) x 125(H) x 145(D) mm
Weight	0.5kg

## FUNCTIONS



1. Shows the communication status (Power, communication)
2. F1 : Tour Functional keys.
3. F2 : Pattern Functional keys.
4. 5. Near/Far Focus : used for setting Zoom camera focus.
6. Menu : Get into the dome menu(Press for 2 seconds)
7. Joystick : Control Pan, Tilt and Zoom In , Out
8. Joystick Button : Used to define the Presets

### Camera IR LED ON / OFF Control

- IR On / OFF Switch
- Press Joystick Button and F1
- White LED On / OFF Switch
- Press Joystick Button and F1
- \* On : Tele
- \* OFF : wide
- For Auto setting Press Joystick button and F2



1. Communication Port : connect to PTZ port (cable).
2. Setting Switch : It used for setting address, bps and protocol setting.



- ON**
- PTZ Address ( 0 ~ 15 )**
- Protocol**
- Pelco-D : SW5(OFF), SW6(OFF)
- WONWOO : SW5(ON), SW6(OFF)
- Tx Termination ON/OFF**
- Rx Termination ON/OFF**
- Baud Rates**
- 2400 (BPS) : SW7(OFF), SW8(OFF)
- 4800 (BPS) : SW7(ON), SW8(OFF)
- 9600 (BPS) : SW7(OFF), SW8(ON)
- 19200 (BPS) : SW7(ON), SW8(ON)