

# *the excelPTZ range*

## Installation and Operation Manual

### Serial Data Distributors 2 RS485 In ~ 4/8/16 Out

Models covered

**PTZ740 PTZ742 PTZ744**



**PTZ740 2x RS485 IN 4 OUT**



**PTZ742 2xRS485 IN 8 OUT**



**PTZ744 2xRS485 IN 16 OUT**

Version 1

For updates to these instructions visit [www.excelpTZ.com](http://www.excelpTZ.com)

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Please read this operation manual carefully  
before installing and using this unit !!!!

**Please read the following:**

1. Please read the operation manual carefully before installing and operating the product.
2. The PTZ740, PTZ742 and PTZ744 Serial Data Distributors require a **12v DC** power supply. A power supply and lead with a 13amp plug is supplied with each unit.
3. Do not attempt to disassemble these units. In order to prevent electric shock, do not remove screws or covers. There are no user-serviceable parts inside this unit.
4. Always use and adhere to current electrical safety standards to install and use the Serial Data Distributors. The RS-485 cables should be kept way from high voltage equipment such as mains cables and especially fluorescent lights. Using an anti-surge protection device is recommended to prevent damage to this unit from lightning and mains surges. Damage caused by lightning or mains voltage surges is not covered under the warranty.
5. Do not operate in areas exceeding the stipulated limitations concerning temperature, humidity and power supply.
6. Always ensure that when connecting to keyboards/DVRs that the correct polarity is used.

*The excelPTZ range –*

***Serial Data Distributor***

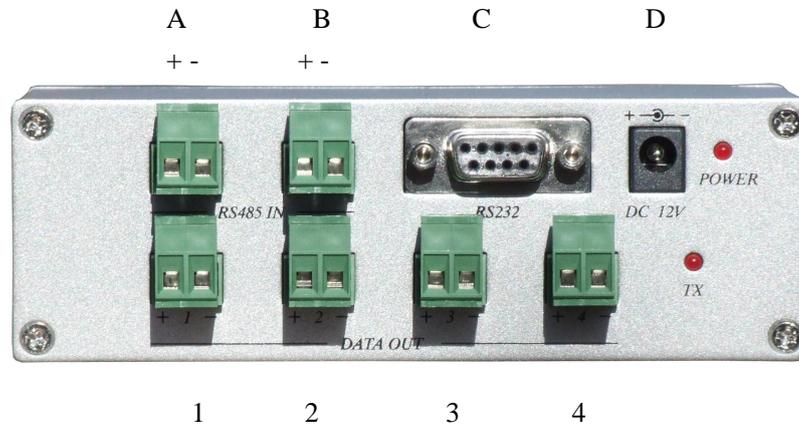
The three inputs consist of two RS485 inputs and one RS232 input. The two RS485 inputs can feed two DVRs, one DVR and one keypad controller or two keypad controllers.

This Serial Data Distributor allows you to connect up to three input devices, but only one input controller is activated at a time. You may connect up to four/eight/sixteen PTZs (dependent on chosen model) using the RS485 outputs. Ensure the correct polarity is utilised.

It is recommended to use one twisted pair of CAT5 for each of the RS485 outputs. The maximum connection range for each output is 1200 metres using CAT5. Ensure that the termination connection is switched on in the PTZ camera. Note that for the 16 out model, use UTP cable.

It is possible to introduce additional units to complement this distributor. Select from the PTZ740, PTZ742 and PTZ744. Just take a connection from one output and input to another unit input.

## PTZ740



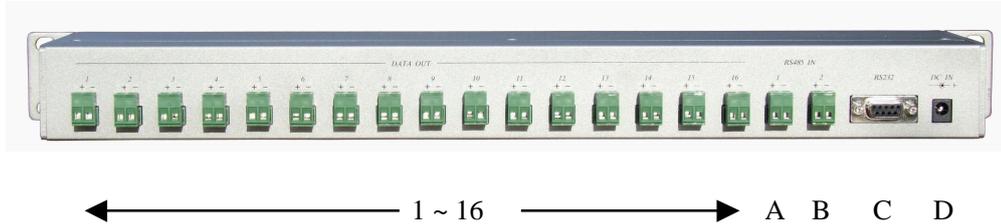
The PTZ740 has two RS485 inputs A and B. Ensure that the correct polarity is connected to the DVR and/or keypad. An RS232 input is also provided at C. Plug the 12vDC power supply into D. Up to four PTZs can be connected to 1 ~ 4 on CAT5. Ensure you use a matched twisted pair. Ensure that the termination jumper is switched on in each PTZ. The maximum connection range is 1200 meters using a CAT5 twisted pair for each PTZ. You can connect to further units of PTZ740, PTZ742 and PTZ744. Note that only one input operates at a time.

## PTZ742



The PTZ742 has two RS485 inputs A and B. Ensure that the correct polarity is connected to the DVR and/or keypad. An RS232 input is also provided at C. Plug the 12vDC power supply into D. Up to eight PTZs can be connected to 1 ~ 8 on CAT5. Ensure you use a matched twisted pair. Ensure that the termination jumper is switched on in each PTZ. The maximum connection range is 1200 meters using a CAT5 twisted pair for each PTZ. You can connect to further units of PTZ742 and PTZ744. Note that only one input operates at a time.

## PTZ744



The PTZ744 has two RS485 inputs A and B. Ensure that the correct polarity is connected to the DVR and/or keypad. An RS232 input is also provided at C. Plug the 12vDC power supply into D. Up to sixteen PTZs can be connected to 1 ~ 16 on UTP cable. Ensure you use a matched twisted pair. Ensure that the termination jumper is switched on in each PTZ. The maximum connection range is 1200 meters using a UTP twisted pair for each PTZ. You can connect to further units of PTZ742 and PTZ744. Note that only one input operates at a time.

Model	PTZ740	PTZ742	PTZ744
Data Input	RS485 / RS232 Terminal block		
Data Output Port	4 Port	8 Port	16 Port
Data Output Signal	RS485		
Power Supply	12v DC (Power Supply included)		
Power Consumption	350 mA		
Op. Temperature	0 ~ 45° C		
Dimensions WxHxD	133x 76 x 44mm	482x100x44mm (1U)	482x100x44mm (1U)
Weight	425g	1050g	1100g
Material	Metal		

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