

Limitations

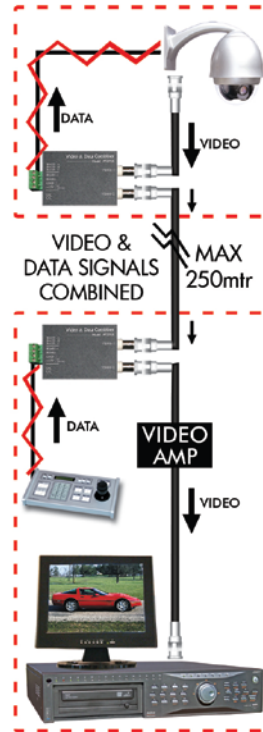
Note that the PTZ755 combiners should operate at a maximum distance of **250 metres**. Do not exceed this distance. The input impedance must be 75Ω. The PTZ755 units are very sensitive and cannot be guaranteed to work successfully with baluns.

Troubleshooting

The green connectors fitted to the PTZ755 can be removed for ease of fitting cable connections for the RS485 and power connections. Ensure that these are not incorrectly fitted to the PTZ755 i.e. power not transposed with RS485 connections.

The Video 1 and Video 2 connections can be fitted either way round but for ease of problem solving it is recommended that the diagrams above be followed.

As the PTZ755 transmitter and receiver can only be fitted at a maximum distance of 250 metres apart, for sending the RS485 data down the RG59 cable, please do not attempt to use them at distances exceeding this limit.



Special Tips.

The PTZ755 does not require to know the protocol as it is purely a data combiner that transmits and receives at a certain baud rate. The PTZ755 combiner sends data at three baud rate speeds. The standard settings are for 2400 baud rate. This is the slowest speed and will give the furthest controllable distance.

Jumpers on (A) and (B) = 2400 baud rate

Jumper on just (B) = 4800 baud rate

Jumper on just (A) = 9600 baud rate.

Always test the combiners before going to site and always connect a monitor to the PTZ.

The transfer of the data is from the keypad or DVR to the PTZ. The combiner at the Keypad/DVR end is always the transmitter and the combiner at the PTZ end is always the receiver.

If using the PTZ755 for equipment that is not purchased from us, we cannot give any guarantees that the combiners will work as they are only tested with products supplied by ourselves.

Do not use baluns with these combiners.

All specifications are approximate. Kovert.com reserves the right to change any product specifications or features without notice. Whilst every effort is made to ensure that these instructions are complete and accurate, kovert.com cannot be held responsible in any way for any losses, no matter how they arise, from errors or omissions in these instructions, or the performance or non-performance of the equipment that these instructions refer to.



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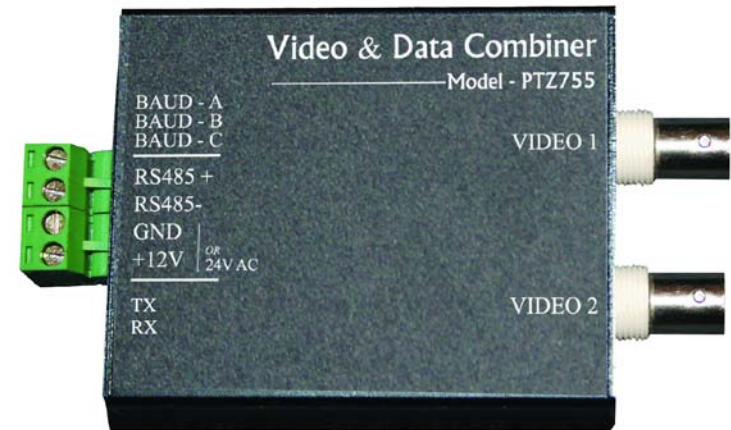
This symbol on the products and/or accompanying documents means that used electronic equipment must not be mixed with general household waste. For treatment, recovery and recycling please return this unit to your trade supplier or local designated collection point as defined by your local council.

the excelPTZ range

Installation and Operation Manual

Video and Data Combiner

Models covered
PTZ755



Two units required for each installation

Version 5

For updates to these instructions visit www.excelPTZ.com

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 PTZ755 Video and Data Combiner requires either a **12vDC or 24vAC** power supply.
3. Do not attempt to disassemble this unit. 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 Video and Data Combiner. 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 PTZ755's warranty.
5. Do not operate in areas exceeding the stipulated limitations.
6. Note that the Video & Data Combiner can only be connected to one PTZ dome.
7. Two units are required for each installation and maximum data transmission is 250 metres.
8. When using the PTZ755 do not use baluns or amplifiers.

The excelPTZ range –

Video & Data Combiner

The Video and Data Combiner has the ability to combine the video and data signals down one RG59 cable. Two units are required, one to combine the video and data and one to revert to separate video and data. Also ensure that the unit is not exposed to damp or humid conditions. If there is a need to install one or both units outside then ensure the units are housed in a waterproof container.

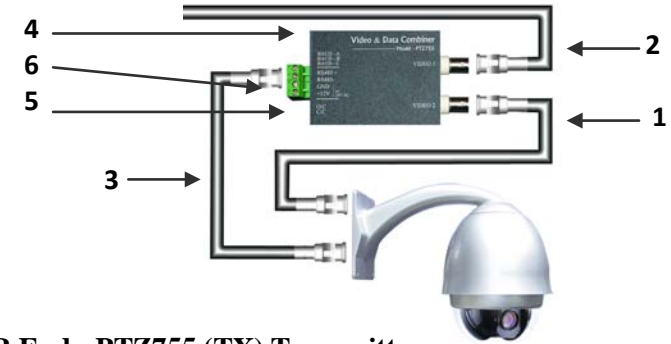


Setup Procedure

PTZ Camera End - PTZ755 (RX) Receiver

1. At the PTZ camera end, connect the PTZ video out to the Video 2 connection on the PTZ755 Receiver.
2. Connect the RG59 cable running from the DVR or monitor to the Video 1 connection.
3. Now connect the RS485 connections from the PTZ camera end to the RS485 + and – connections on the PTZ755. Ensure connections are correctly made.

4. Set the Baud Rate Jumpers so that they are identical in both units. Place a jumper on Baud A and a jumper on Baud B. Ensure no jumper fitted to Baud C.
5. Now set the C/C Jumper to allow the data and video signals to be combined. Disregard this step if using the RX model.
6. Connect a PSU to the 12vDC or 24vAC connections but do not switch power on. Only use a PSU rated at a minimum of 300mA at 12v DC.



Keypad or DVR End - PTZ755 (TX) Transmitter

7. At the Keypad/DVR end, connect the video line from the PTZ755 receiver into the video 1 connection of the PTZ755 transmitter.
8. Connect the RG59 cable running from the DVR/Monitor to the Video 2 connection.
9. Now connect the RS485 connections from the PTZ755 to the RS485 + and – connections on the Keypad or DVR. Ensure connections are correctly made.
10. Set the Baud Rate Jumpers so that they are identical in both units. Place a jumper on Baud A and a jumper on Baud B. Ensure no jumper fitted to Baud C.
11. Now set the O/C Jumper to allow the data and video signals to be separated. Disregard this step if using the TX model.
12. Connect a PSU to the 12vDC or 24vAC connections and switch power on to all units. Only use a PSU rated at a minimum of 300mA at 12v DC.

