



CCTV IP Econo PoE Extender (500111, 500111-2PK)

Frequently Asked Questions (FAQ)

1. **Will the 500111 operate in the following scenario:**

- PoE switch connected to local 500111
- Local 500111 connect to Remote 500111 via coax
- Remote 500111 connected to non-PoE switch.

No. the 500111 will not work in the above scenerio. Both sides must be PoE.

2. **Will the 500111 operate if only one side is PoE?** No

3. **Will the 500111 operate if the LAN switches on both sides are not PoE?** No.

4. **Our customer has a single camera operating on buried coax about 100m from the server room. He wants to upgrade to four cameras in this location and the camera location has 240v AC at the camera location. If we place four ip cameras (powered from the 240v supply) and connect the data outputs to a small hub next to the cameras – can we connect a 500111 to the hub, pass the data down the coax and use another 500111 to connect the data into the main switch in the server room?** No. However, the 500110 will work.

5. **When we connect the 500111 between a PoE camera and PoE switch there is no signal. However, the LED is ON. What could be the problem?** The PoE camera and PoE switch must be set to "HP auto-MDX". Otherwise it may be necessary to use a cross-over cable.

6. **When we connect the 500111 between a PoE camera and PoE switch there is no signal. However, the LED is ON. What could be the problem?** If the router and camera are able to operate at 1Gb/s (1000BaseT), then you must manually set the camera and switch to a maximum of 100Mb/s.

7. **If the 500111 is connected directly to an end-span switch (mode A) using a Cat5e cable, will the max distance be 100m?** Yes. As long as the maximum camera power consumption is 14W.

8. **Is the data transfer speed 10/100Mbps? Is there any manual speed setting needed on the PoE switch port?** Yes. The data rate is 10/100. There is no speed adjustment on the 500111.

9. **If only one unit of 500111 is connected to PoE switch, will the 500111 PoE LED light up? Or is it necessary to connect all the way from the PoE switch with a pair of 500111 to the IP camera before the 500111 LED will light up?** It is necessary to connect all the way from the PoE switch to the camera in order for the PoE LED to come on.

10. **What happens if I use RG6 aluminum foil shield vs copper for the coax IP connection?** MuxLab is not specialized enough in cable construction to confirm whether aluminum foil versus copper is better for RG6. However, MuxLab recommends using a coaxial cable that is approved for analog and digital signal transmission, such as Belden 1505A0101000. http://www.belden.com/products/catalogs/mastercatalog/brilliance/upload/06Coaxial_Cables.pdf. Please refer to section 6.40 for RG59 and section 6.44 for RG6 in the above manual.

For more information, please contact MuxLab Customer Technical Support at 877-689-5228 (North America) or at 514-905-0588 or at videoease@muxlab.com or visit <http://www.muxlab.com/>.