

ENFORCER®

IP / Ethernet Extenders

Manual

IPB-A1100Q

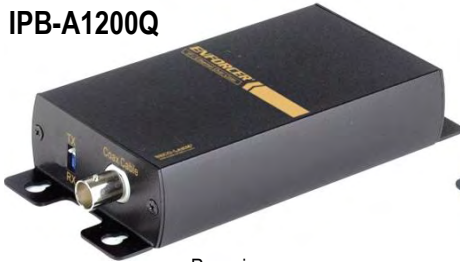


Rear view



Front view

IPB-A1200Q



Rear view



Front view

IPB-A1100Q*	Active IP Balun over Cat5e/6
IPB-A1200Q*	Active IP Balun over Coaxial

*Each set includes one transmitter and one receiver.

SECO-LARM®



Note: Products with model numbers that end with "Q" or that have a round green "Q" sticker are RoHS compliant.

Introduction:

ENFORCER Active IP Baluns are designed to extend the range of IP cameras or any TCP/IP device beyond the 300ft (100m) limit of Ethernet. The units do not filter out any protocols, codes, or applications, ensuring compatibility with any IP camera and its software.

Specifications:

	IPB-A1100Q	IPB-A1200Q
Range	3,900' (1,200m)	5,900' (1,800m)
Input connector	RJ-45	
Output connector	RJ-45	BNC
Operating voltage	5VDC (adapter included)	
Current draw (power supply)	750mA	
Link cable	Cat5 or better Cat6 recommended	RG59/U or better RG6/U recommended
Cat5e/6 cable	TIA/EIA—568-B	
Ethernet speed	10/100Mbps	

Parts List:

2 x Active IP Baluns

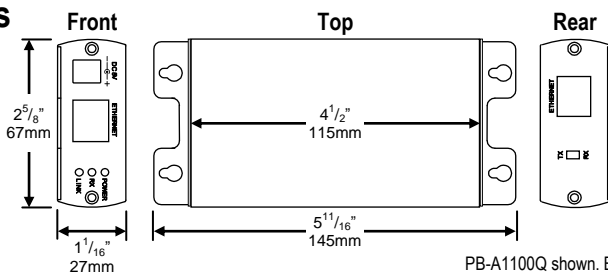
8 x Mounting screws

1 x Manual

2 x 5VDC power adapters

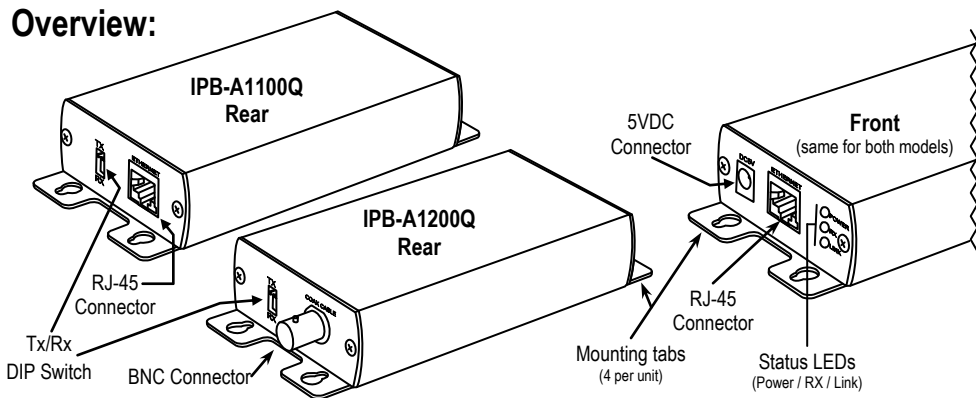
8 x Plastic anchors

Dimensions



PB-A1100Q shown. Both models are the same size.

Overview:



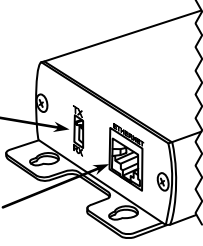
Installation:

Rear panel connections

IPB-A1100Q

Set Tx/Rx DIP Switch

Connect Cat5e/6 cable between the receiver and transmitter

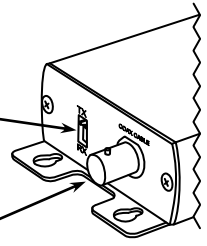


Rear panel connections

IPB-A1200Q

Set Tx/Rx DIP Switch

Connect coax cable between the receiver and transmitter

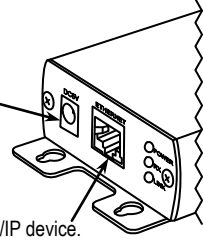


Front panel connections

Both models

Connect 5VDC Adapter

Connect Cat5e/6 cable to a TCP/IP device.



Tx/Rx DIP Switch Positions

Each unit can act either as a transmitter (Tx) or a receiver (Rx). To set the function of a unit, simply set the DIP switch located on the rear of the unit to the desired position.



The unit is a receiver

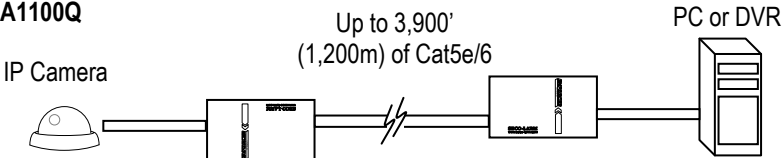


The unit is a transmitter

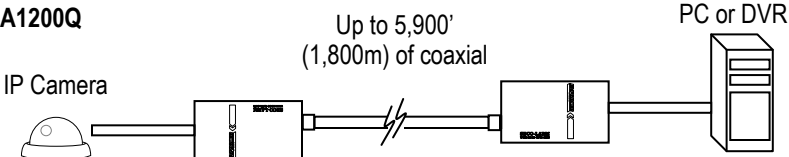
1. Determine the location where the units will be placed as well as how much cable will be required.
2. If desired, use the included screws to mount the receiver and transmitter to a wall or other surface. Use the mounting tabs found on the corners of the enclosure.
3. On one unit, switch the Tx/Rx DIP switch to "Tx". This is now the **transmitter**.
4. Connect the transmitter to an IP camera or other TCP/IP output device using Cat5e/6 cable. Connect via the Ethernet port found on the front of the Active IP Balun.
5. On the second unit, switch the Tx/Rx DIP switch to "Rx". This is now the **receiver**.
6. Connect the receiver to a DVR, PC or other TCP/IP receiving device using Cat5e/6 cable. Connect via the Ethernet port found on the front of the Active IP Balun.
7. Run a cable between the two units and connect them via the rear-panel connectors.
 - Use Cat5e/6 cable for the IPB-A1100Q.
 - Use coaxial cable for the IPB-A1200Q.
8. Connect one 5VDC adapter to the transmitter and another to the receiver.
9. Switch on the IP source (i.e. CCTV camera) and verify that the system is functioning properly.

Sample Application:

IPB-A1100Q



IPB-A1200Q



Troubleshooting

IP device does not function correctly

- Make sure the balun is powered on both sides.
- Make sure the IP source and DVR or PC are powered.
- Test the coaxial or Cat5e/6 cable between the receiver and transmitter and make sure it is functional.
- Make sure that there are no problems with the IP device, cables, or DVR by plugging the IP device directly into the DVR or PC using the Cat5e/6 cables.
- Make sure that the Tx/Rx DIP switches are in the correct position for each unit (see page 3 for details).
- Make sure that the cable does not exceed the maximum distance (see page 2 for more details).

Products Available from SECO-LARM:



VGA over Cat5e/6



Passive Video Balun



Voltage Converters and Boosters



Active Balun Hub



CCTV Power Supplies



Rack Mount Power Supply

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