

### INTRODUCTION

The AP-FXC-0100 is a PoE extender capable of feeding 15.4/30W power to powered devices for a distance of up to 300 meters. Multiple extenders can be cascaded to increase the cabling distance and the number of powered devices.

### PACKAGE CONTENTS

• 1x PoE extender	• 1x Quick Installation Guide
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### ⚠ IMPORTANT:

1. Install the device in a ventilated and dry place, that is free of electromagnetic source, vibration, moisture, and dust.
2. Make sure the ventilation openings on the extender are not blocked.
3. Use CAT5 or 6 UTP/STP cables. Avoid using low-quality cables, which will seriously limit the cabling distance.

### CONNECTION

Following are the conditions for making the cabling:

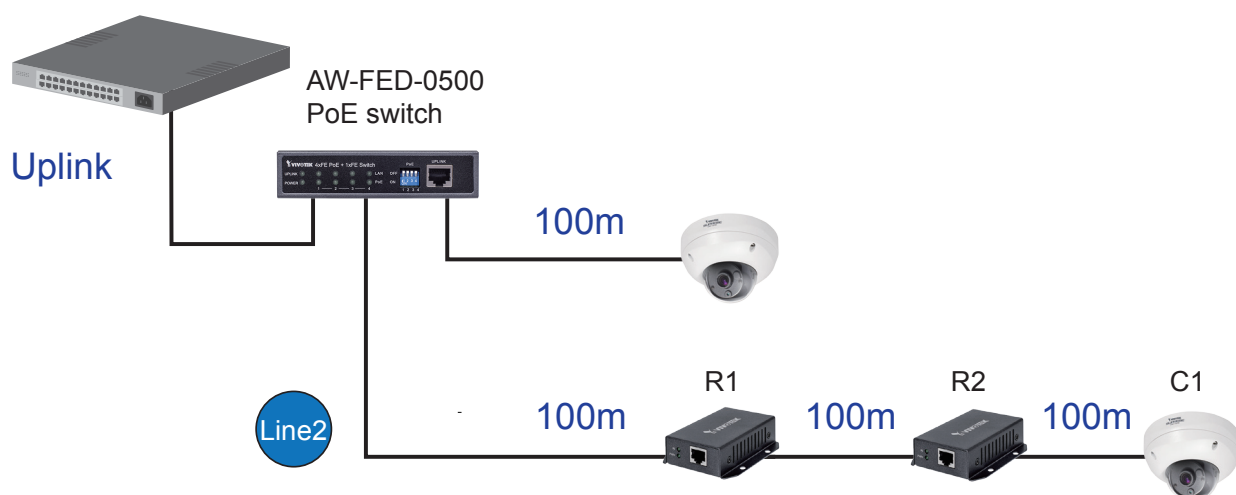
1. Use 18~19Ω, 24AWG CAT5 cables.
2. Typical VIVOTEK cameras stream size feature = 1080p@30fps - 6Mbps; 720p@30fps - 3Mbps.  
Make sure the combined bandwidth consumption does not exceed the uplink bandwidth from the PoE switch.
3. The transaction on the PoE extender consumes 2W of power. Therefore, on Line2, the total power requirement is:  
 $C1 + R1 + R2 + (5W \times 3)$ .

If the camera consumes 5W, the total consumption is 24W.

\* Cn = camera consumption,

\*\* Rn = extender consumption, 2W.

\*\*\* A typical 100 meters connection induces a 5W power loss due to resistance.



### LED DEFINITIONS

POWER	Green ON	Power link is connected from the PoE source.
	Green OFF	Power is off.
PoE IN	Green ON	PoE IN port is connected.
	Fast blinking	Data is being transmitted or received.
	OFF	No connection.
OUT#	Green ON	Port is linked to a powered device.
	OFF	No device is connected.

All specifications are subject to change without notice.  
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