

# DA-LP1101R/T

- Up to 500m PoE transmission between devices using UTP cable
- Up to 700m DATA transmission between equipments using UTP cabling
- Plug-and-play without any required PC setting
- Supports 1Gbps / IEEE802.3at for PoE Injector
- Supports 1Gbps / IEEE802.3at / 100m for PoE Repeater
- Supports 10 / 100Mbps for Long Reach PoE extender

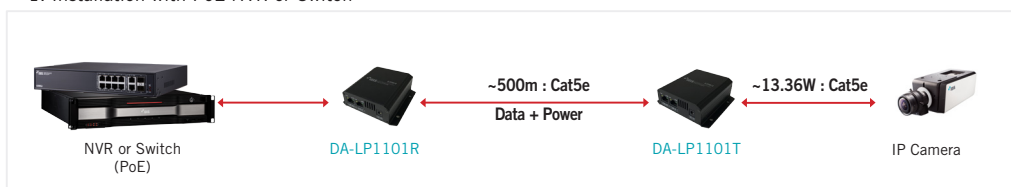


## Data and Power Transmission at Ranges Up to 500 Meters

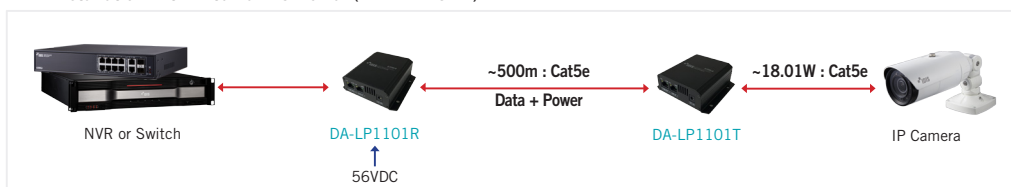
The IDIS Long Reach PoE Extender is a long distance networking-specific solution that supports Ethernet connections up to 500 meters. This versatile connector empowers integrators and end users to establish networks beyond the limitations of common cables requiring repeater connections every 100 meters. By connecting a network video recorder (NVR) and camera with the IDIS Long Reach PoE Extender, users can now build a network without multiple separate repeater connections, enabling cost savings and simplifying network environments.

### IDIS Long Reach PoE Installation

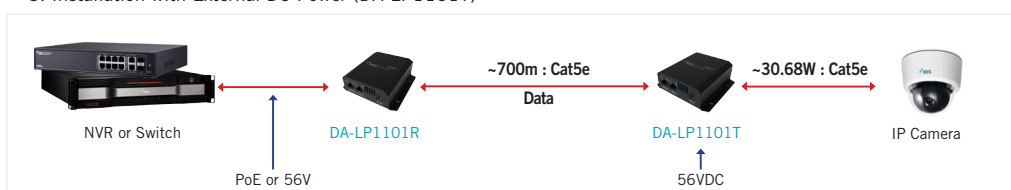
#### 1. Installation with PoE NVR or Switch



#### 2. Installation with External DC Power (DA-LP1101R)



#### 3. Installation with External DC Power (DA-LP1101T)

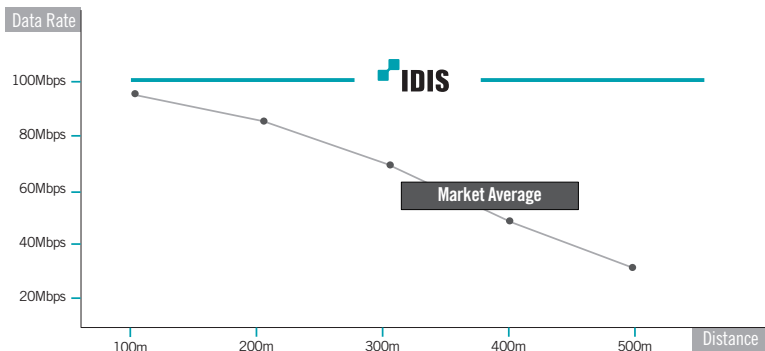


#### 4. Installation for PoE Repeater



#### 5. Installation for PoE Injector





## 100Mbps of Seamless Transmission

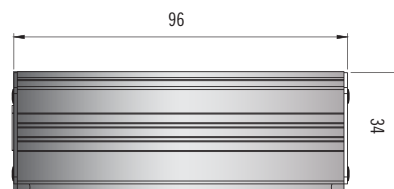
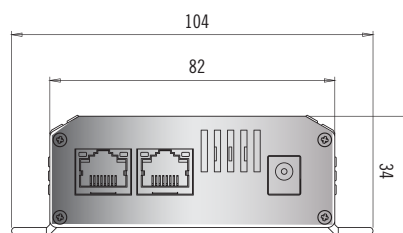
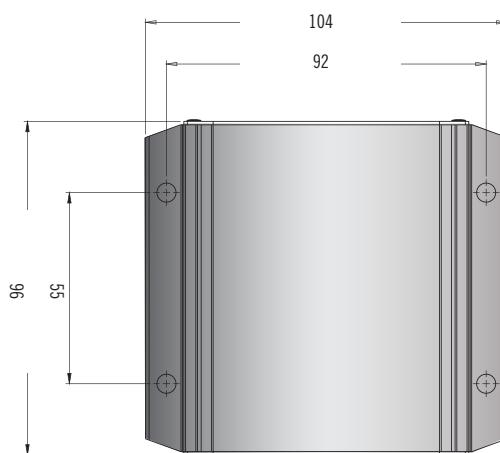
Even over a range of 500 meters, the IDIS Long Reach PoE Extender will maintain network speeds of 100Mbps.

### SPECIFICATIONS

|                                         | DA-LP1101R                                              | DA-LP1101T |
|-----------------------------------------|---------------------------------------------------------|------------|
|                                         |                                                         |            |
| <b>PoE INJECTOR / REPEATER FUNCTION</b> |                                                         |            |
| <b>Port</b>                             | RJ45 x 1 with PD<br>RJ45 x 1 with PSE                   | -          |
| <b>Connectivity</b>                     | RJ45, Auto-MDI / MDI-X Sensing                          | -          |
| <b>Power Input</b>                      | IEEE 802.3at, 48 ~ 56VDC                                | -          |
| <b>Power Output</b>                     | Max. 720mA                                              | -          |
| <b>PoE Standard</b>                     | IEEE 802.3at PD<br>IEEE 802.3at PSE                     | -          |
| <b>PSE Budget</b>                       | Up to 30W                                               | -          |
| <b>Speed</b>                            | 10 / 100 / 1000Mbps                                     | -          |
| <b>LONG REACH PoE EXTENDER FUNCTION</b> |                                                         |            |
| <b>Port</b>                             | RJ45 x 1 with PD<br>RJ45 x 1 with PSE                   | -          |
| <b>Connectivity</b>                     | RJ45, Auto-MDI / MDI-X Sensing                          | -          |
| <b>Power Input</b>                      | IEEE 802.3at, 48 ~ 56VDC                                | -          |
| <b>Power Output</b>                     | Max. 720mA                                              | -          |
| <b>PoE Standard</b>                     | Up to 30W (Depending on Cable Distance and Power Input) | -          |
| <b>PSE Budget</b>                       | UTP CAT5E or Above                                      | -          |
| <b>Speed</b>                            | 10 / 100Mbps                                            | -          |
| <b>LEDs AND BUTTON</b>                  |                                                         |            |
| <b>Link Status LED</b>                  | 2 Yellow LED (Link / Activity LED per Ethernet Port)    | -          |
| <b>PoE Status</b>                       | 1 Green LED (PSE LED)                                   | -          |
| <b>Reset Button</b>                     | None                                                    | -          |
| <b>Power LED</b>                        | 1 Green LED                                             | -          |
| <b>ETC</b>                              |                                                         |            |
| <b>Dimensions (W x H x D)</b>           | 102mm x 34mm x 96mm (4.0" x 1.3" x 3.7")                |            |
| <b>Unit Weight</b>                      | 226g (0.49lb)                                           |            |
| <b>Operating Temperature</b>            | -10°C ~ 50°C (14°F ~ 122°F)                             |            |
| <b>Operating Humidity</b>               | 0% ~ 90%                                                |            |
| <b>Approvals</b>                        | KC, CE, FCC                                             |            |

### DIMENSIONS

(Unit - mm)



| IDIS PERFORMANCE | Distance | Data Rate | DA-LP1101T IEEE802.3at PoE Output Capability (Using UTP CAT5E Cable) |                             |                             |
|------------------|----------|-----------|----------------------------------------------------------------------|-----------------------------|-----------------------------|
|                  |          |           | DA-LP1101R with IEEE 802.3at                                         | DA-LP1101R with 56VDC Input | DA-LP1101T with 56VDC Input |
|                  |          |           | 100m                                                                 | 100Mbps                     | 19.65W                      |
| 200m             | 100Mbps  | 18.28W    | 25.57W                                                               | 30.68W                      |                             |
| 300m             | 100Mbps  | 16.81W    | 23.24W                                                               | 30.68W                      |                             |
| 400m             | 100Mbps  | 16.00W    | 20.85W                                                               | 30.68W                      |                             |
| 500m             | 100Mbps  | 13.36W    | 18.01W                                                               | 30.68W                      |                             |
| 600m             | 100Mbps  |           |                                                                      | 30.68W                      |                             |
| 700m             | 100Mbps  |           |                                                                      | 30.68W                      |                             |