

**Model** : ATZ DVI-E178ERK  
**Description** : DVI CAT5e/6 Extender 70 Meters



The DVI CAT5 extender is to extend your PC DVI transmission distance up to 70 meters with resolution 1024x768. With DVI Adaptors, users can transmit high quality digital video of PC applications thru one cost effective CAT5e/6 to the remote monitor or projector, instead of using short and expensive DVI cables. With embedded EDID inside the adaptor, your PC will continue to send the digital video even when the monitor is not connected. The user can then disconnects the monitor, place it in a remote location and reconnect it without rebooting the operating system.

### Features:

- Include ATZ DVI-E178ET transmitter, ATZ DVI-E178ER receiver, used in pairs via one CAT5e/6 cable to send DVI signal.
- ATZ DVI-E178ER as active receiver for high performance.
- No external power required.
- Built in micro USB for external power when your DVI source not able to provide enough power to the receiver.
- Built in LED indication.
- Support high resolution up to 1920 x 1200.
- Support long distance up to 70 meters at 1024x768.

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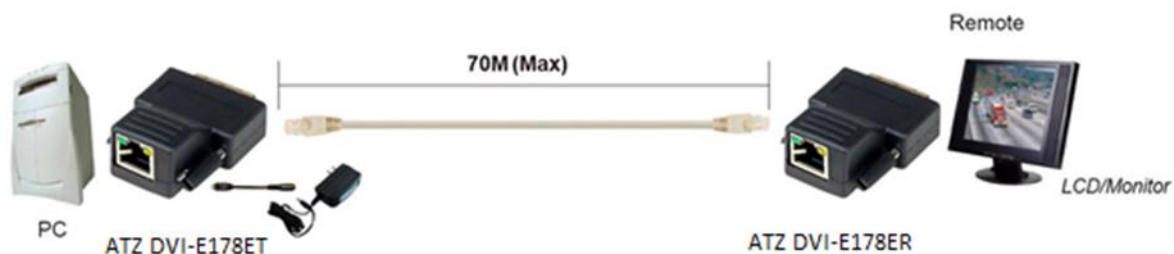
## Specifications:

ITEM NO.	ATZ DVI-E178ERK (ATZ DVI-E178ERK(T) + ATZ DVI-E178ERK(R))
Video Bandwidth	1.65 Gbps ( DVI 1.1)
Resolution	1920 x 1200 @ 60 Hz
Input TMDS Video Signal	1.2 Vp-p
Input DDC Signal	5 Vp-p (TTL)
Link Cable Distance	70M @ 1024 x 768 50M @ 1920 x 1200
DVI Connector	DVI-D x 1 (25 Pin)
Link Connector	RJ45 x 1
Power Connector	Micro USB x 1 (Transmitter)
Power Consumption	320mA
Power Supply	5V 1Amp ( Optional Order)
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%
Dimension	(40.2 x 55.5 x 22.5) mm
Weight	30g x 2

## Package Includes:

- 1 x ATZ DVI-E178ERK(T)
- 1 x ATZ DVI-E178ERK(R)
- 1 x USB Micro power cable
- 1 x User Manual

## Product Diagram:



ATZ DVI-E178ET transmitter built in micro USB for external power when your DVI source not able to provide enough power to the receiver. For example,

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when using multiple ATZ DVI-E178ERK with DVI distributor, the power consumption may over the limitation of the DVI device, please use micro USB to DC plug cable (package included) with 5V power adaptor (optional) for external power.

ATZ DVI-E178ERK(T) to ATZ DVI-E178ERK(R)	
Resolution	Distance (Meter)
1024 x 768	70
1280 x 1024	50
1440 x 900	50
1600 x 900	50
1920 x 1200	50


Remark: The transmission distance will be affected from different PC/Monitor equipment and cable quality.

**Panel View:**



**Cable:**

Video Link cable using high quality CAT5E UTP or CAT6 UTP cable, CAT6 cable enhances transmission range and signal stability. Do not use STP cable or flat cable which may cause no video output.

		RJ45 JACK		
		PIN	Color	Function
		1	W-O	TMDS DATA2 +
		2	O	TMDS DATA2 -
		3	W-G	TMDS CLOCK +
		4	BL	TMDS DATA1 +
		5	W-BL	TMDS DATA1 -
		6	G	TMDS CLOCK -
		7	W-BR	TMDS DATA0 +
		8	BR	TMDS DATA0 -

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**Caution:**

1. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.
2. Working distance will be variety based on different equipment.
3. The picture may come with noise under the resolution 640 x 480
4. HDCP not supported.
5. Do not use STP cable or flat cable which may cause no video output.

RoHS   

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**Warranty:** 1 Year

Warranty is effective from the date of original delivery.

This warranty shall be void if a serial number has been removed from the product.