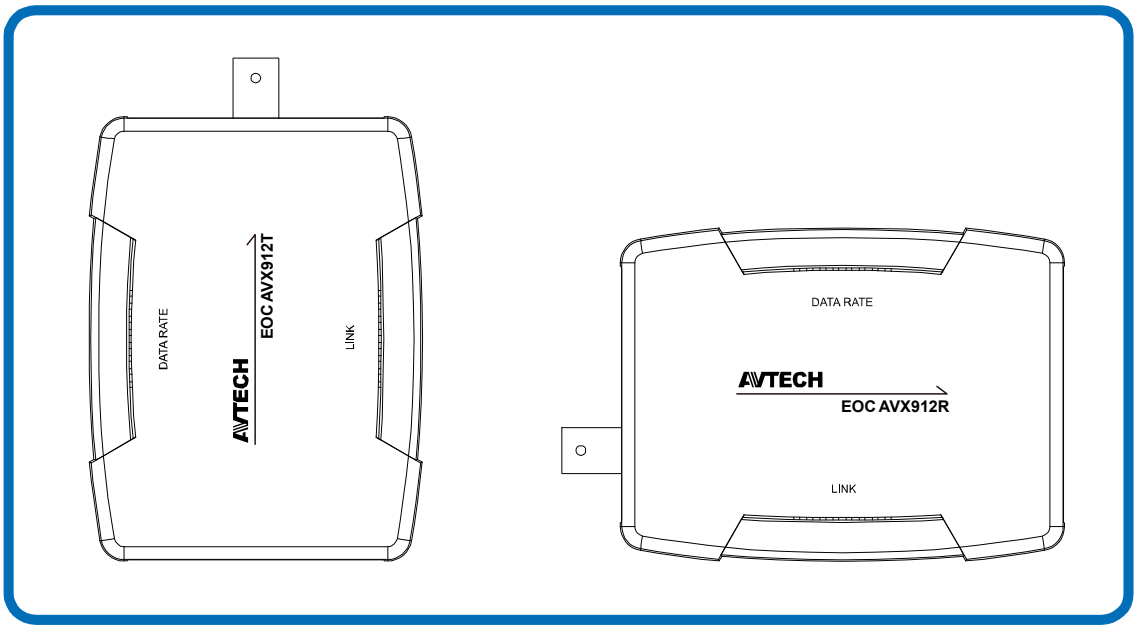
USER MANUAL

EOC (Ethernet over Coaxial) Converter



All lead-free products offered by the company comply with requirements of the European law on the Restriction of Hazardous Substances (RoHS) directive, which means our manufacture processes and products are strictly “lead-free” and without the hazardous substances cited on the directives.

The crossed-out wheeled bin mark symbolizes that within the European Union the product must be collected separately at the product end-of-life. This applies to your product and any peripherals marked with this symbol. Do not dispose of these products are unsorted municipal waste. Contact your local dealer for procedures for recycling this equipment.

CE Mark

This apparatus is manufactured to comply with the radio interference.

The company does not warrant that this manual will be uninterrupted or error right to revise or remove any content in this manual at any time.

GENERAL DESCRIPTION

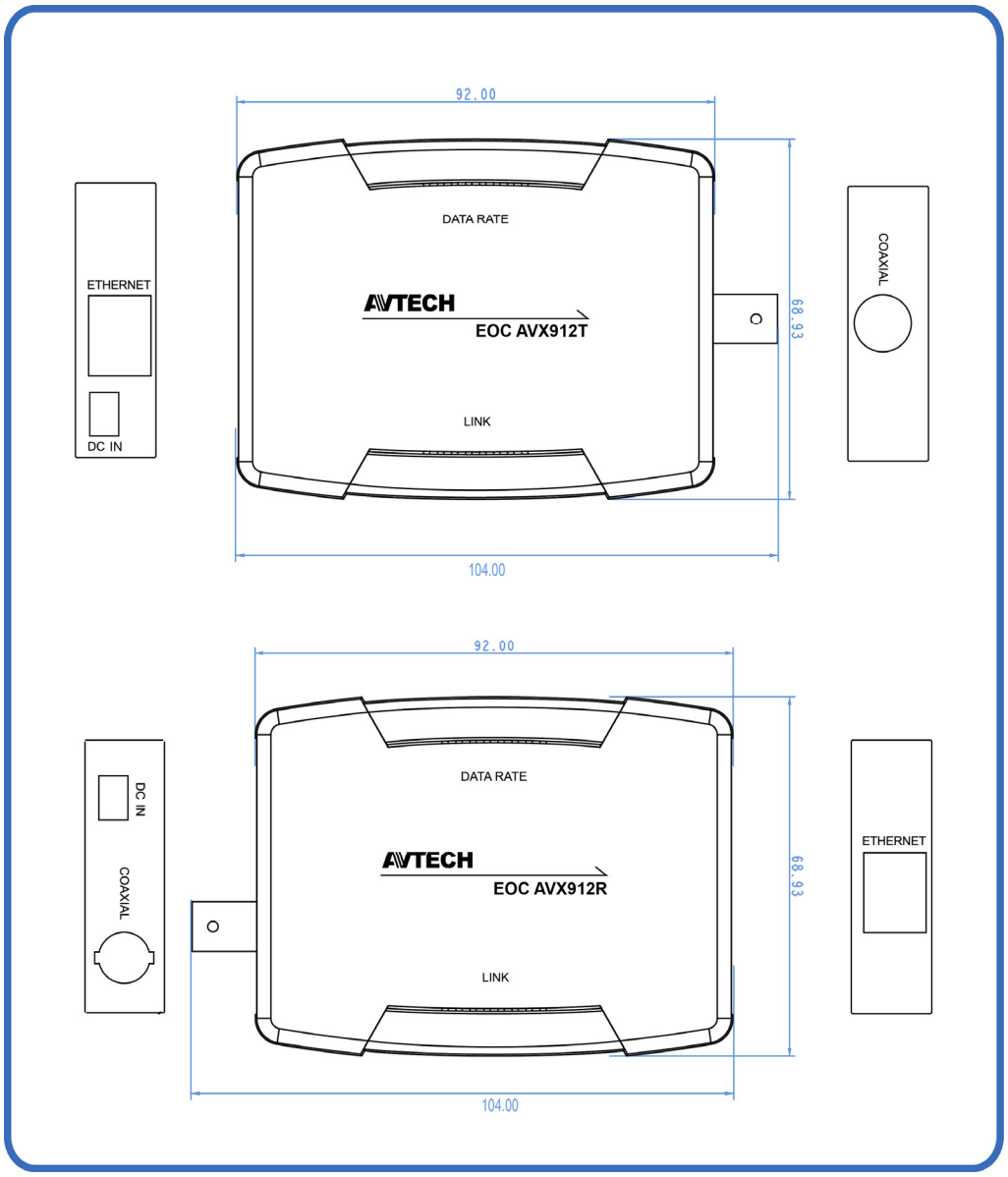
AVX912T / R is an EOC converter capable of signal conversion, so that users can get network system functionality over existing coaxial cabling. The device is a right solution to upgrade the analog system to current digital system with low setup costs.

This converter is plug & play without any software to configure. Besides, the bi-color diagnostic LED lights provide the operating status for your reference.

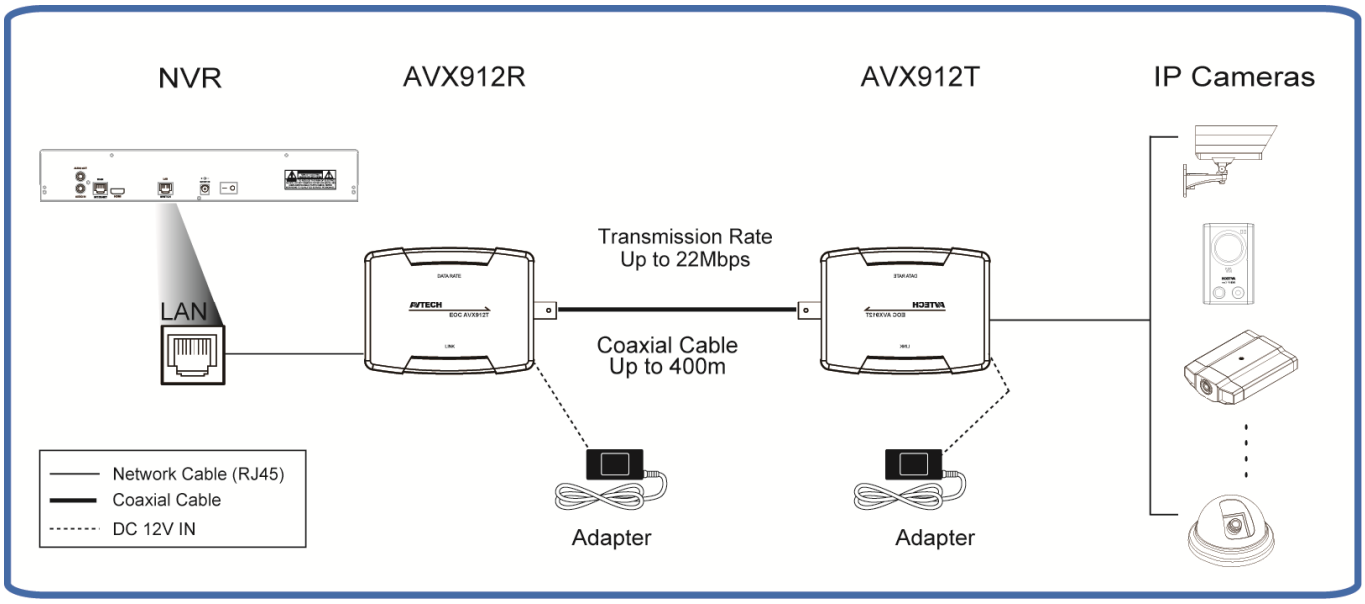
The following are the key features of our product:

- **Use over long distance**—EoC converter can be used for distances of up to 400 m for connection.
- **No set-up required**—Connections can be established by simply connecting coaxial cables and network cables.
- **Rich diagnostic LED lights**—With LED indications, user can easily perceive the unusual connection and solve the problem immediately

DIMENSIONS



CONNECTIONS



For the AVX912R (receiver)*:

Step 1: Plug in AVX912R

Step 2: Connect the network cable of the NVR to the “ETHERNET” port of AVX912R. If “Link” LED is blinking red, please go on with the following steps, but if it is red on, please go check the connection between the NVR and AVX912R.

Step 3: Connect the existing coaxial cable to the “COAXIAL” port of AVX912R. At this moment, “Link” LED is blinking red.

For the AVX912T (transmitter)*:

Step 4: Plug in AVX912T

Step 5: Connect the network cable of the IP cameras to the “ETHERNET” port of AVX912T. If “Link” LED is blinking red, please go on with the following steps, but if it is red on, please make sure the connection between the IP cameras and AVX912T.

Step 6: Connect the existing coaxial cables to the “COAXIAL” port of AVX912T. If “Link” LED is blue on, the connection is completed successfully. However, if it is still blinking red, a coaxial connection error occurs, so please go check the coaxial connection.

Note:

*AVX912R is to connect to a NVR, while AVX912T is to connect to IP cameras; if not connecting to the corresponding devices, it will affect the transmission rates.

**It is feasible to change the connection sequence of AVX912R and AVX912T. If a user chooses to connect AVX912T first (in our example, we connect AVX912R first), please follow the steps above to complete the connection as well.

***AVX912 supports up to 22Mbps transmission rate for using multiple IP cameras at a time; it is recommended to connect AVX912 to three Megapixel cameras at most for the best viewing. If transmission speed exceeds the limit, it may affect the video smoothness.

****When using 5C2V coaxial cable, maximum transmission distance is up to 400m; it’s not allowed to use a signal booster to extend the distance. Besides, the distance of connection and transmission speed might be affected by the cable quality and installation environment.

LED STATUS INDICATION

DATA RATE LED indicates data transmission status.
If blue light is illuminated; it means data transmission goes well.

On the other hand, LINK LED has bi-color diagnostic LED lights, indicating cable connection status. More details is shown as below:

	DATA RATE (Blue)	LINK (Red / Blue)	
Power-on	Off	Red on	
Network cable	Off	Connected	Blue on
	Off	Disconnected	Red on
Coaxial cable	Off	Connected	Blue on
	Off	Disconnected	Red blinking
Data transmission	Blinking	Blue on	

SPECIFICATIONS*

	AVX912T	AVX912R
Coaxial Cable Connection**	3C2V, 112 braids (Up to 300m) 5C2V, 128 braids (Up to 400m)	
Interfaces	Coaxial port for Ethernet over coaxial cable RJ-45 LAN port	
LED Indications	a. Data rate: Blue b. Link: Bi-color (Red / Blue)	
Temperature	Operating: 10°C ~ 40°C	
	Storage: 0°C ~ 70°C	
Power Supply	DC 12V @ 1.5A	DC 12V @ 1A
Power Consumption (±10%)	2.2W	15W (maximum)
Transmission Speed**	22Mbps	
Dimensions (mm)***	92(L) × 69(W) × 15(H)	

* The specifications are subject to change without notice. ** The distance of connection and transmission speed might be affected by the cable quality and installation environment *** Dimensional Tolerance: ± 5mm.