HD IP POE Extender is a new designed Ethernet Extender Device. This Device is designed to extend Network signal and Power over the existing coaxial cable, and able to live transmit multi-channel Power + Network date signal, the Max distance is up to 2500M(Power: 600M). 2pc BNC design, supports connection of 2 channel branch line at same time. The total power is 100W, each BNC max is 50W. Network max baud-rate is up to 100Mbps. It has excellent lightning protection and Anti-interference. Inbuilt Industry level intelligent auto-monitoring module (this function is optional), this function can make the device intelligent detect circuit individually, all time automatically detect network communication link exceptional situation. If any link is abnormal, it make the device recover to link the communication automatically, ensure the network communication link data transmission stably. Really realize never loss network connection, never crash industry network transmission. Guarantee the security of surveillance zone.

Features：

Inbuilt Industry level intelligent Auto-monitoring module(this function is optional)
Embedded independent intelligent auto detection circuit. In all time automatically detect network communication link exceptional situation. If any link is abnormal, it make the device recover to link the communication automatically, ensure the network communication link data transmission stably. Really realize never loss network connection, never crash industry network transmission. It is the best choice of CCTV surveillance transmission domain.

◆Transmit 10/100 Mbps Full Duplex Ethernet up to 8000ft(2500m) or more.
◆Transmission Media: Coaxial Cable(Best), 586B, CAT5e/6
◆Input Voltage: DC12V~53V (POE: DC48V~53V).
Support Power Over Coax & Power over Ethernet at same time.
2pc BNC design, Support connect 2 channel branch line, The total power of electricity is 100W, each BNC max is 50W.
◆Operation: Use the existing network, easy to install, Plug & Play. Convenient and efficient.
◆Code Standard: abide by IEEE802.3 10/100 base-TX Ethernet standard protocol
◆Advanced 128-bit AES encrypted transmission and PoE+ power technology
◆Excellent Protection: Built-in transient protection; industrial temperature range. Excellent
lightning protection and strongly Anti-interference, surge protection.

Follow below steps to install:

1)Firstly Connect the signal cables, then connect Power. (Install with power may destroy device)
2)Connect NVR/Switches:
 --RJ45 Ethernet(CAT5e/6) cable one side connect the Device Ethernet Port
 --RJ45 Ethernet(CAT5e/6) cable another side connect NVR/Switches Port
 --Use Coaxial cable one side connect the Device BNC
3)Connect the IPC.
 -- RJ45 Ethernet(CAT5e/6) cable one side connect the Device Ethernet Port
 -- RJ45 Ethernet(CAT5e/6) cable another side connect IPC net Port
 -- Use Coaxial cable another side connect the Device BNC
4)Check the installation is correct or not, device is no damage, guarantee all the link is stable, connect the power supply cable, to power the whole system.
5) The devices can not overlay, it may cause serious interference, make the network loss link.
   It can be installed beside each other.
6) when transmit Network + Power: noted that the Master device BNC total power is 100W;
   So that the slaver devices connect POE IPC total power should be same as or less than 100W.

Failure removal:

If the device meet problem, follow the below steps to solve:
lAccording to the LED indicator primary localize the trouble occur region.
lIf LED all is lighting off, please check whether the system power is normal.
lIf only Net port LED indicator is lighting off, please check whether the network cable link is
Loose, and check all the IPC/Switches etc Device is working normally.
lIf only Slaver device LED indicator is lighting off, please check the below reasons:
--Whether the Coaxial cable is LOOSE.
--Whether the Coaxial Cable length beyond the MAX transmission distance.
--Whether the 2pcs interconnection device passcode is not same.
After above detection, if the trouble is still not solved, please contact the Supplier.

Specification:

Item		Description
Technology Standard	Standard	HomePlug AV
		IEEE 802.3 10/100 Ethernet(100Mbps)
		IEEE 802.3u Fast Ethernet
EnEncryption Algorithm	Algorithm	128-bit AES
Power	Supply mode	Power adapter
	Input Voltage range	DC12V~53V (POE: DC48V~53V)
	Consumption	<2W
Ethernet Interface	Port	RJ45
	Signal Type	10/100Base-Tx
	Distance	100M (Max)
Coax Connector	Port	BNC
	Transmission rate	80Mbps TCP, 90Mbps UDP
	Total Power	100W
	Distance	IP: 2500M (Max); IP+Power: 600M(Max)
Status Indicator	Power indicator	RED (Power On: keep lighting, Power Off: ligh
	Far-end device indicator	GREEN (keep lighting: Device connection read
	Coax Power indicator	GREEN (Power on: keep lighting, Power off: lig
	POE indicator	YELLOW (POE on: keep lighting, POE off: ligh
	Network link indicator	GREEN (Network linking: keep lighting, Signal
POE Port	Transmit Power or not	Optional (Default: support transmit power)
POE Standard		IEEE 802.3AT
POE total Power		4/5,7/8 output power 50W;
		1/2, 3/6 output power max 35W.

POE Power Wires	Line Pair function	1/2 +、3/6-;4/5+、7/8- line pair self-adaption
Operation Environment	Operation Temperature	0℃~55℃
	Storage Temperature	-20℃~70℃
	Humidity	0~95%
Size	Dimension	121.5*81*23.5mm
Reliability	Material	ABS plastic+PC
	Color	Black
	Weight	180g