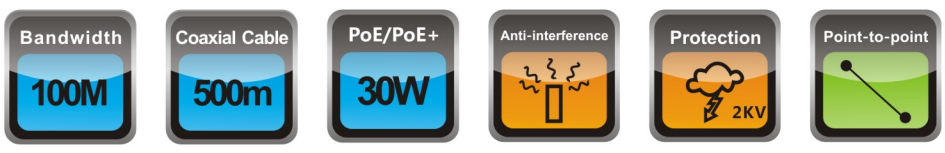
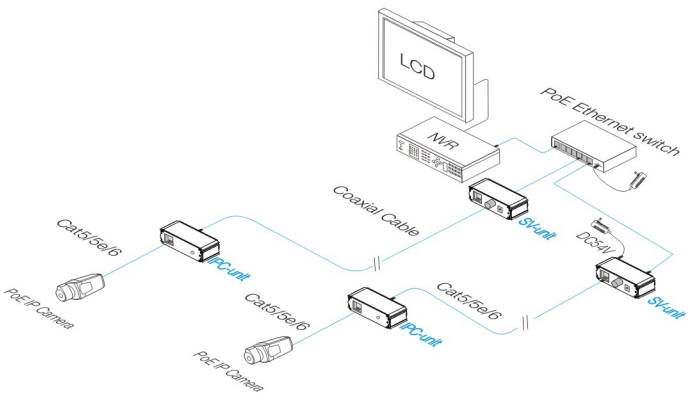
CYGNUS electronics



KEY FEATURES

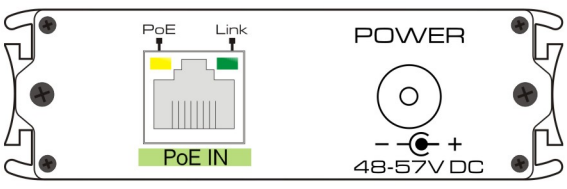
- Upgrading Project
- Long Transmission Distance
- Superior Performance
- Support PoE Supply

APPLICATION

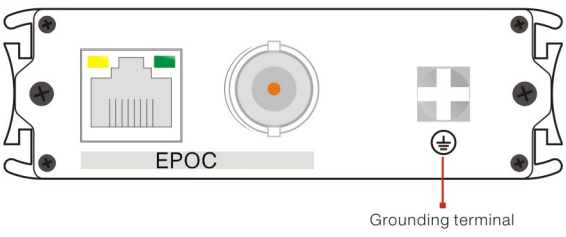


BOARD DIAGRAM

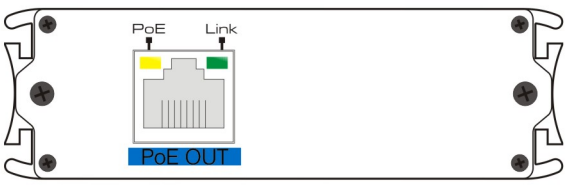
SV left board



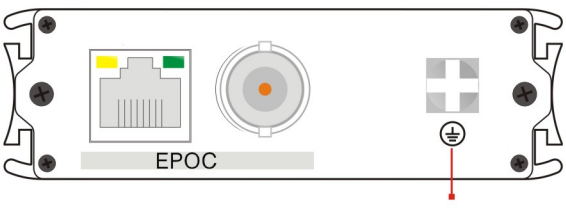
SV right board



IPC left board



IPC right board



SPECIFICATIONS

Item		Description
Power	Power Supply	PoE power supply or power adapter supply
	Voltage Range	DC 48V ~ 57V
	Consumption	< 2W
Ethernet Port Patameter	Ethernet Port	EPOC: 0--100Mbps Ethernet: 10/100Mbps Transmission bandwidth changes with transmission distance, please refer to table 1
	Transmission Distance	EPOC Coaxial Cable: 0–500m EPOC Network Cable: 0–400m
	Transmission Medium	75–5 Above Coaxial Cable and Cat5e/6
	PoE Agreement	Support IEEE802.3af, IEEE802.3at
	PoE Power Supply	Support End-span and Mid-span
Ethernet Exchange	Ethernet standard	IEEE802.3 10BASE–T, IEEE802.3u 100BASE–TX
	Ethernet Delay	< 1ms
Status	Indicator LED	PoE IN/OUT Port: One indicates PoE power supply or DC power status(RJ45 yellow), one indicates Ethernet signal transmission(RJ45 green); EPOC Port: indicates signal transmissiont(RJ45 yellow/green) light)
Protection Level	ESD	1a Contact Discharge level 3 1b Air Discharge level 3 Per: IEC61000-4-2 standard:IEC61000–4–2
	Communicating Port Anti-thunder Protection	Per: IEC61000–4–5 level 3
Operation Envioronment	Working Temperature	0℃~55℃
	Storage Temperature	–40℃~85℃
	Humidity(No-Condensing)	0~95%
Mechanical	Dimension(L×W×H)	63.2mm×82mm×25mm
	Material	Aluminum
	Color	Black
	Weight	IPC:153g; SV:154g

Table 1:

Power Supply		PoE Ethernet Power Supply		54V DC Power Supply	
SV<->IPC Cable		75–5	CAT5E	75–5	CAT5E
100m	Bandwidth (Mbps)	54.5	67	54.5	67
	Load Capacity (W)	16.1	17.2	23	23
200m	Bandwidth (Mbps)	54.4	53.1	54.4	53.1
	Load capacity (W)	10	12	17	22
300m	Bandwidth (Mbps)	54.3	52.4	54.3	52.4
	Load Capacity (W)	8	9.1	12	16
400m	Bandwidth (Mbps)	54.2	48.3	54.2	48.3
	Load Capacity (W)	5	6.5	10	12
500m	Bandwidth (Mbps)	53.5	/	53.5	/
	Load Capacity (W)	4.5	/	8	/

Products are subject to change without prior notice