



Box Camera Accessories Guide

Enclosure



Box + Lens



IR Illuminator



Power Type



Media Converter



How to Choose



Application	Image Distance	IR	Temperature	Power	Ethernet Distance	
1	50M	Yes	-20°~50°C/ -40°~50°C	PoE	100M	300M
2	50M	No	-20°~50°C/ -40°~50°C	AC	100M	2KM~30KM
3	100M	Yes/No	-20°~50°C/ -40°~50°C	AC	100M	2KM~30KM
4	200M	Yes/No	-20°~50°C/ -40°~50°C	AC	100M	2KM~30KM

Image Distance 50M w/ IR



Resolution
1.3M : IP8155HP
2M : IP8165HP

+

Focal Length
3.1~8mm : AL-241

Resolution
2M : IP816A-HP

+

Focal Length
4~18mm : AL-244

Resolution
2M : IP8166

+

Focal Length
2.8~12mm : AL-235

Temperature
-20°~50°C : AE-241

OR

Temperature
-40°~50°C : AE-242

100M PoE Solution
30W :
AW-IHT-0100
AW-IHT-0200
AW-IHT-050x
AW-IHT-060x

+

Power Supply
75W : NDR-75-48
120W : NDR-120-48
240W : NDR-240-48

300M PoE Solution
60W :
AW-IHU-100/0200/0600
PoE Extender
AP-FXC-0150

+

Power Supply
75W : NDR-75-48
120W : NDR-120-48
240W : NDR-240-48

100M PoE Solution
60W :
AW-IHU-100/0200/0600

+

Power Supply
80W : HLG-80H-54
120W : HLG-120H-54
240W : HLG-240H-54

Image Distance 50M w/o IR



Resolution
1.3M : IP8155HP
2M : IP8165HP

+

Focal Length
3.1~8mm : AL-241

Resolution
2M : IP816A-HP

+

Focal Length
4~18mm : AL-244

Resolution
2M : IP8166

+

Focal Length
2.8~12mm : AL-235



Temperature
-20~50°C : AE-237

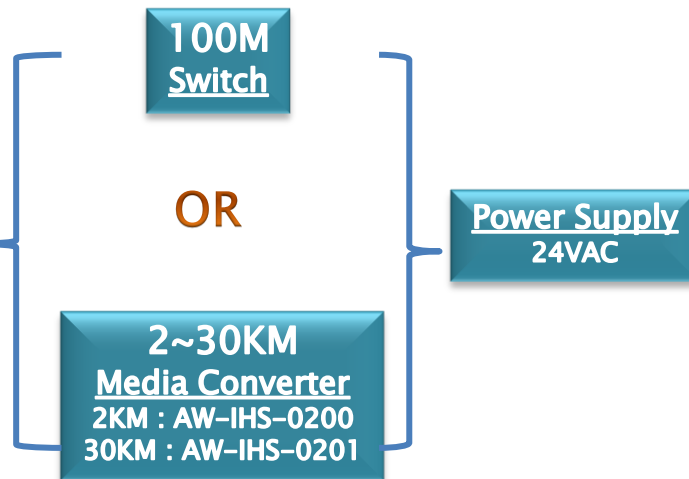
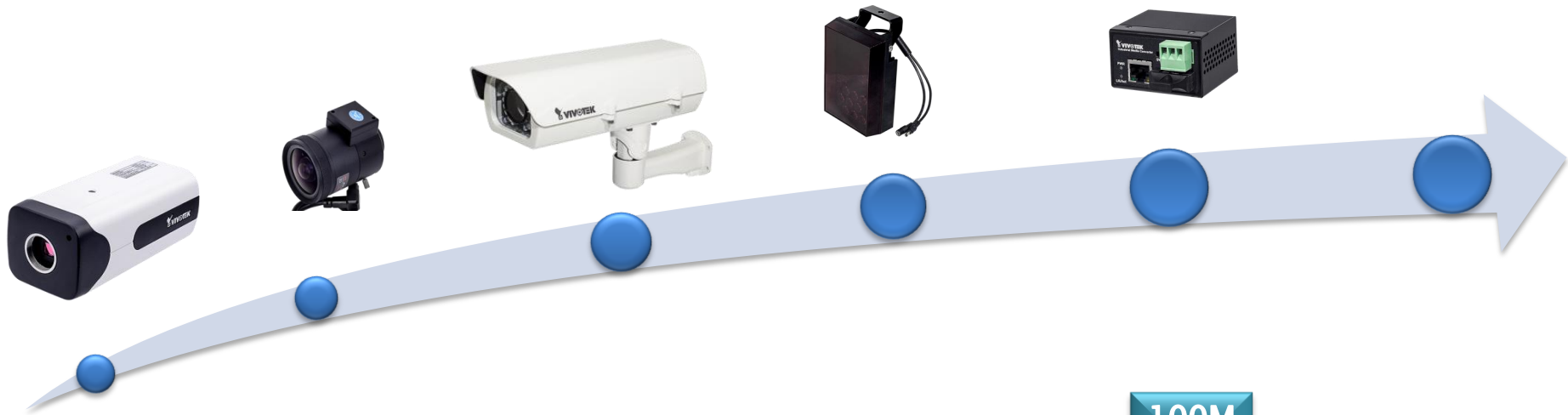


Image Distance 100M w/ IR



Resolution
1.3M : IP8155HP
2M : IP8165HP
IP8166

Focal Length
7~22mm : AL-243

Temperature
-20°~50°C : AE-237

IR LED
100M :
AI-104-010

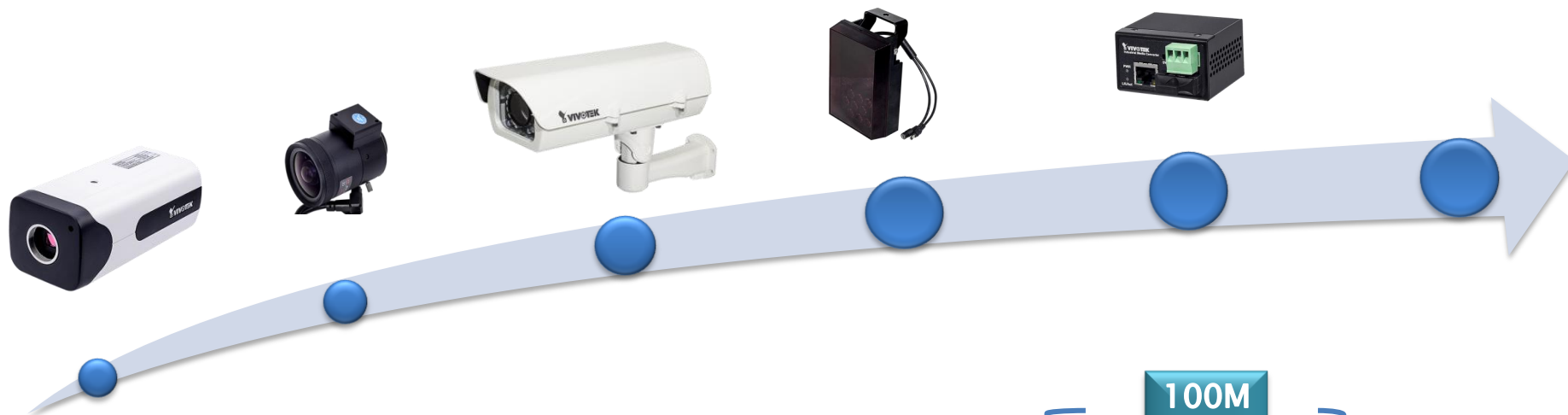
100M Switch

OR

2~30KM Media Converter
2KM : AW-IHS-0200
30KM : AW-IHS-0201

Power Supply
24VAC

Image Distance 200M w/ IR



Resolution
1.3M : IP8155HP

+

Focal Length
12.5~50mm : AL-242

Resolution
2M : IP8165HP
IP8166

+

Focal Length
12.5~50mm : AL-242

Resolution
2M : IP816A-HP

+

Focal Length
12~40mm : AL-245

Temperature
-20°~50°C : AE-237

IR LED
200M :
AI-106-010

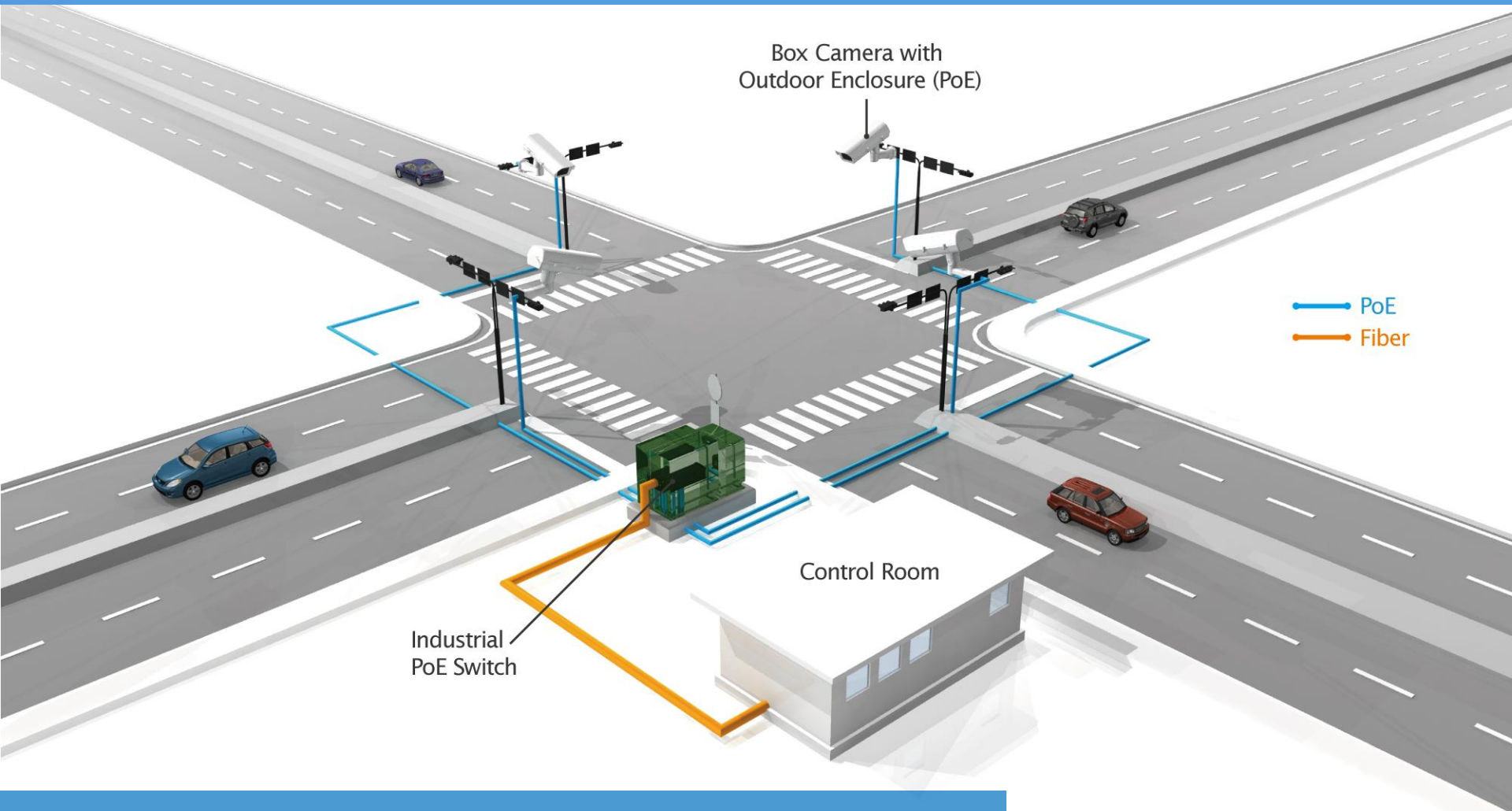
100M
Switch

OR

2~30KM
Media Converter
2KM : AW-IHS-0200
30KM : AW-IHS-0201

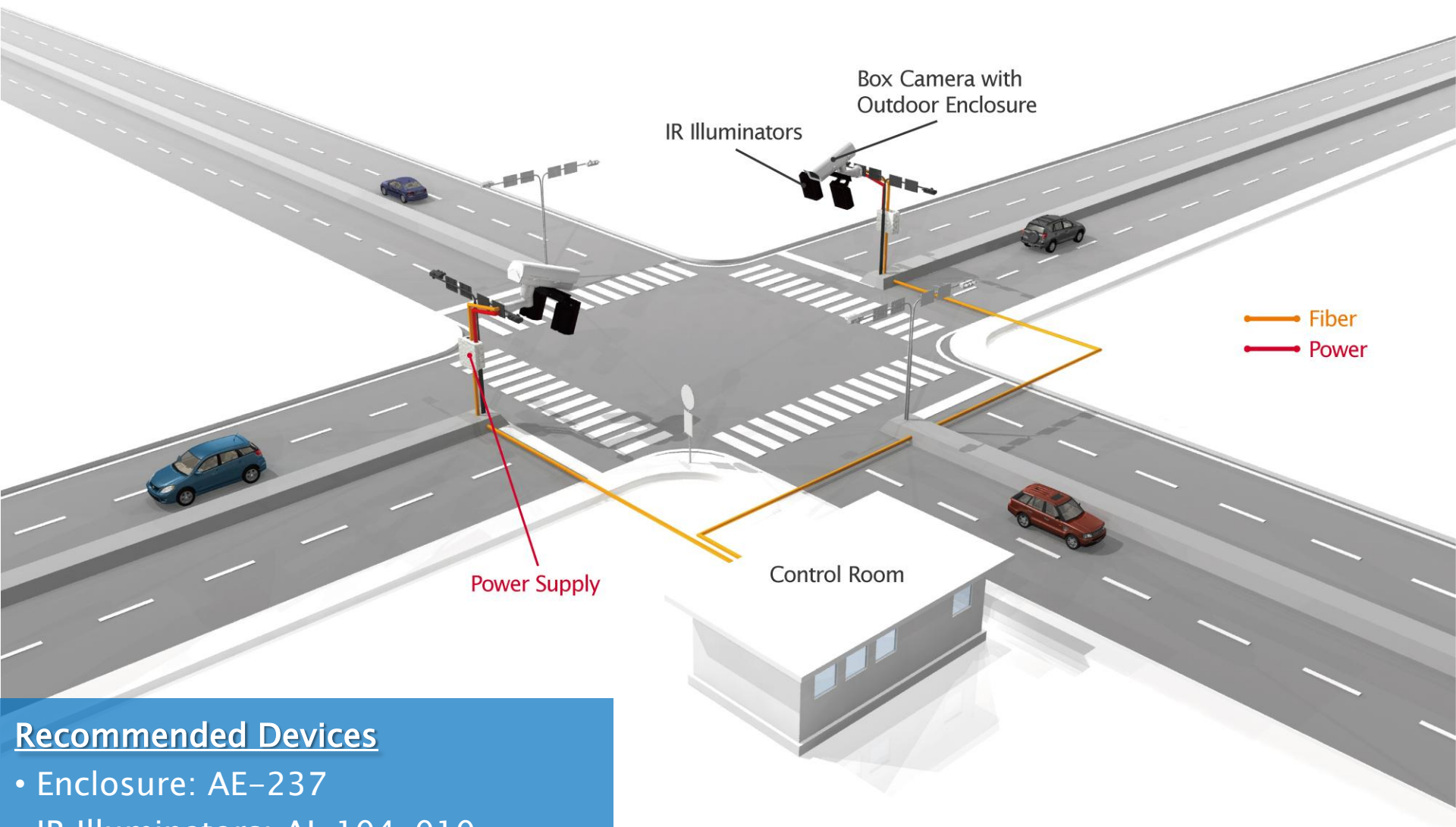
Power Supply
24VAC

Application-1



Recommended Devices





- Enclosure: AE-241 / 242
- Power Supply: AW-IHT-0100, AW-IHU-0100/0200/0600, AW-IHT-0500/0501/0502, AW-IHT-0600/0601



Recommended Devices

- Enclosure: AE-237
- IR Illuminators: AI-104-010
- Transmission: AW-IHS-0200/0201

Box Camera List




Model	IP8155HP	IP8165HP	IP8166	IP816A-HP
				
Max. Frame Rate	30fps @ 1.3MP 60fps @1.3MP	30fps @ 2MP 60fps @2MP	30fps @ 2MP	30fps @ 2MP 60fps @2MP
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 50°C (14°F ~ 122°F)	-10°C ~ 60°C (14°F ~ 140°F)

Accessories – Lens List

Model	AL-235	AL-236	AL-242	AL-243	AL-244	AL-245
						
Iris	DC-iris	DC-iris	P-iris	P-iris	P-iris	P-iris
Focal Length	2.8~12mm	5~50mm	12.5~50mm	7~22mm	4~18mm	12~40mm

Accessories – Enclosure List



Model	AE-237	AE-241	AE-242
			
IR	-	15° 50m	15° 50m
Window Heater	15°C on, 25°C Off	Always on	Always on
Double Heater	-	-	15°C on, 25°C Off
Fan On/Off	35°C On, 25°C Off	35°C On, 25°C Off	35°C On, 25°C Off
IP Camera ON	-	-	Double heater is on at -40°C. When temperature reaches -10°C, camera is powered on
Power Input	24VAC	30W IEEE 802.3at	60W UPoE
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)



Accessories – IR illuminator List



Model	AI-104-010	AI-106-010
		
Distance	100m	200m
Beam Angle	10°	10°
Wavelength	850nm	850nm
Integrated Control	Built-in photocell for automatic IR On/Off	Built-in photocell for automatic IR On/Off
Power Input	24VAC, 12 to 24VDC	24VAC or 24VDC
Power Consumption	24W	48W
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)	-40°C ~ 50°C (-40°F ~ 122°F)

Accessories-Industrial Media Convert List



Model	AW-IHS-0200	AW-IHS-0201
		
Short Highlight	Industrial FE Media Converter SC Multi-Mode Fiber 2KM	Industrial FE Media Converter SC Single-Mode 30KM
Fast Ethernet (RJ45)	1	1
Fast Ethernet (Fiber)	SC Multi-mode 2 KM	SC Single-mode 30 KM
Wavelength	1310nm	1310nm
Power Input (Terminal Block)	18V-36VAC or 12V-60VDC	18V-36VAC or 12V-60VDC
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

Accessories – Industrial PoE Solution List



Model	AW-IHT-0100	AW-IHU-0100	AW-IHT-0200	AW-IHU-0200
				
Short Highlight	Industrial GE PoE Injector	Industrial GE 60W UPoE Injector	Industrial 1xGE PoE + 1xGE SFP Switch	Industrial 1xGE 60W UPoE + 1xGE SFP Switch
Gigabit Ethernet (SFP)	-	-	1	1
Gigabit Ethernet (RJ45)	1	1	-	-
PoE Output Power	56VDC/30W	56VDC/60W	56VDC/30W	56DC/60W
PoE Output (RJ-45)	1	1	1	1
DIP Switch	-	30W/60W Mode	-	-
Input Power	Redundant Dual 48V-56VDC Power Input	Redundant Dual 50V-56VDC Power Input	Redundant Dual 48V-56VDC Power Input	Redundant Dual 50V-56VDC Power Input
Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)	-40°C ~ 75°C (-40°F ~ 167°F)

Accessories – Power Supply

Model	NDR-75-48	NDR-120-48	NDR-240-48	HLG-80H-54	HLG-120H-54	HLG-240H-54
						
Input Power	90~264VAC	90~264VAC	90~264VAC	90~305VAC	90~305VAC	90~305VAC
Output Power	48VDC/75W	48VDC/120W	48VDC/240W	54VDC/80W	54VDC/120W	54VDC/240W
Operating Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)
Mounting Type	DIN Rail	DIN Rail	DIN Rail	Wall Mount	Wall Mount	Wall Mount

Thank you
for your attention



The End