



IO-Power DAPI-12242A-1

Outdoor 12VDC to 24VAC Power Inverter

(Special Design for Speed Dome 24VAC Power Solution)



IO-Power IOP-DAPI-12242A-1 is a specially designed outdoor DC to AC Inverter for 24VAC Speed Dome, adopting 12VDC input power, which is different from the usual adapter—input power 100~240VAC, output power 24VAC. It helps the system integration (SI) easily collocate with 12VDC power source from the Outdoor DC UPS power system and 12VDC power source from the adapter (over 5A). It decreases the power transmission loss from DC to AC, then another power transmission loss from 110VAC~240VAC to 24VAC (about 15%~30% loss of electricity). Therefore, IOP-DAPI-12242A-1 is especially suitable for green energy power system, such as solar power system and winder power system. The electricity loss it saves makes 30% of cost benefit for the whole power system.

DC to AC Inverter is adopted industrial level of Iron metal thermal protection shell and waterproof dust reached IP67 of mechanism design and the Waterproof and heat-resistant beam head to handle the outside tough temperature at $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$ to maintain the outdoor system normally working during day and night.




IO-Power IOP-DAPI-12242A-1 adopts 12VDC input power (6A maximum) of high current. The maximum output power can reach 60W, enough for the normal Speed Dome which consumes 8~12W/H, and for the long-distance infrared rays Speed Dome, which consumes 18~24W/H. The 24VAC voltage and 2.5A current can manage the transient current of Speed Dome which reaches 1.5~2A to reach the requirements of the Inverter of “Special Design for Speed Dome Power Solution”.

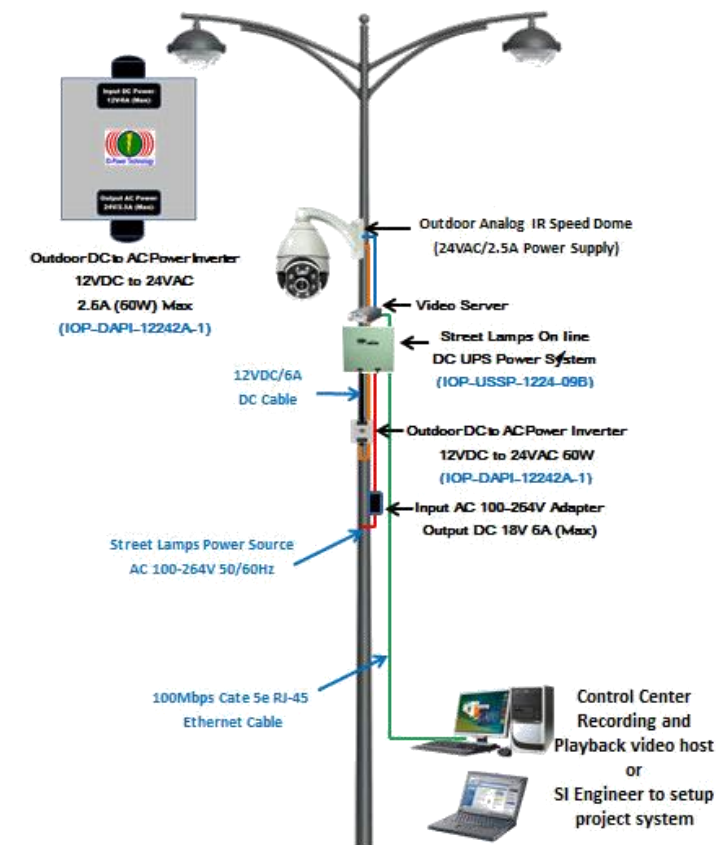
Adopting 12VDC input power can collocate with not only 12DVC power source from Outdoor DC UPS power systems, but also 12VDC power source from normal adapters (over 5A). Therefore, the applications are for 24VAC outdoor surveillance system, 24VAC outdoor emergency rescuing system, 24VAC mobile power supply system, 24VAC outdoor surveillance recording system, 24VAC outdoor public sign and indication system, 24VAC outdoor financial security system, 24VAC elevator security monitoring system, 24VAC fire security system, 24VAC expressway charges trading surveillance system, etc.



IOP-DAPI-12242A-1 Specification

Model Number	IOP-DAPI-12242A-1
Outdoor 12VDC to 24VAC Iron Airtight Housing IP 67 (Housing mold processing)	
Input DC Voltage	12VDC (11VDC~15VDC Max)
Input DC Current	12VDC 6A Max
Output AC Voltage	24VAC (20VAC~25VAC Max)
Output AC Current	2.5A Max
Output Power Frequency	47-63 Hz
Output Power Consume Watts	60W Max
Input Connector	DC Jack Connector

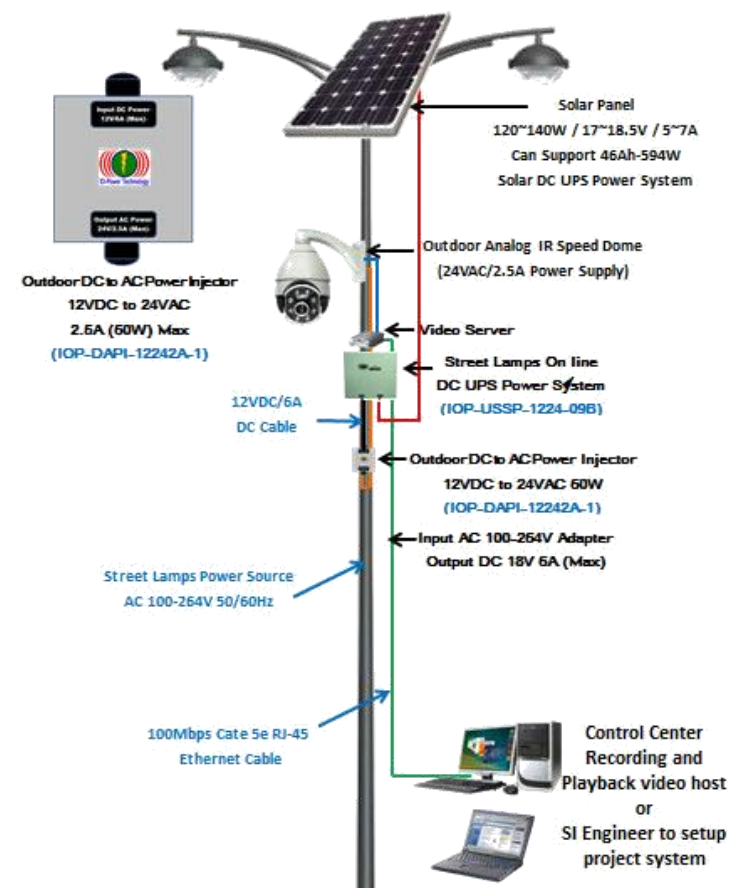
**Road Cross Surveillance System
with Street Lamps DC UPS & DC to AC Power Inverter Power Solution**





Output Connector	DC Plug Connector
Transform Efficiency	85%~
Protection	Input power overcurrent protection Low input voltage protection High input voltage protection Output power overcurrent protection Short circuit protection Imported power polarity protection for anti-welding
Industrial Housing & Connector	Iron Airtight Housing IP 67 Gland Connector
Connector Type	Input DC Power: 11~15VDC Max, DC Jack Output AC Power: 22VAC~25VAC Max, DC Plug
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-20°C ~ 40°C
Rel. Humidity	0~95%RH
Dimension	155mm(L)x152mm(W)x42mm(H)
Weight	0.5Kg
Housing	IP67
Approvals	CE FCC Processing
Installation	1. Street lamp pole mount or Upright pole mount

Road Cross Surveillance System with Solar Power DC UPS & DC to AC Power Injector Solution





	2.Wall mount installation
Warranty	12 months

Ps 1: Product specifications change, without notice, consultation with agent or dealer before buying the latest specifications