



- **3 Input PSU Module for Security - PoE, 12V dc & 24V ac**
- **Single Isolated DC/DC providing low cost and small size**
- **IEEE802.3af & 802.3at compliant**
- **Small package size – 60mm(L) x 30mm(W) x16mm(H)**
- **Overload and short-circuit protection**
- **Adjustable Output**
- **Thermal Cut Off**
- **High efficiency DC/DC converter**
- **1500Vdc isolation (input to output)**
- **Simple integration**

This module is ideal for PTZ, infrared Security cameras, alarms or door access equipment where an auxiliary 12V DC or 24V AC supply is used as a backup or as an installation option.

The Ag9330 Power-over-Ethernet (PoE) module is designed to extract power from a conventional twisted pair Category 5 Ethernet cable, conforming to the IEEE 802.3at PoE standard. In addition to the POE input the Ag9330 also provides two

auxiliary inputs that are used to back up the PoE supply.

The Ag9330 signature and control circuit provides the PoE compatible signature and power classification required by the Power Sourcing Equipment (PSE) before applying power.

The Ag9330 classification is fixed at Class 4, this means that an IEEE802.3at Type 1 or an IEEE802.3af PSE will default to Class 0. However an IEEE802.3at Type 2 PSE will recognise Class 4 as a Type 2 PD.

The high efficiency DC/DC converter operates over a wide input voltage range with a low ripple and low noise output. The DC/DC converter also has built-in over-temperature and short circuit protection and provides a 1500Vdc (PoE and AC input to output) isolation barrier.

