

CAMSWITCH QUAD Specification - PRELIMINARY

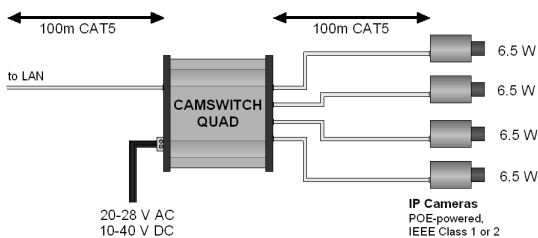
Veracity UK Ltd
IC, 08/02/2008



A Network Switch for IP Video:

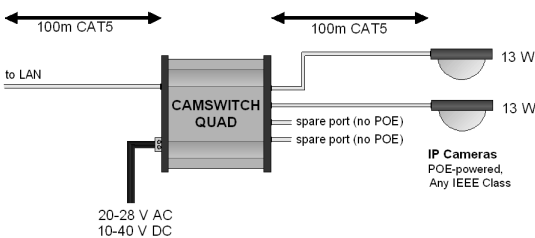
- Five-port unmanaged 10/100 switch
- Power Over Ethernet (POE) supplied to cameras on four ports
- Unique 12V DC / 24V AC power connection via screw terminals
- Automatic Ethernet configuration and safe power management
- Compact, rugged enclosure
- Wall-mountable

Application examples:



The first diagram illustrates a typical application. CAMSWITCH QUAD detects the IEEE Power Class of all four cameras before safely enabling power to them.

Most POE-compatible IP cameras are IEEE Power Class 2, drawing up to 6.5 Watts. However CAMSWITCH QUAD can support any combination of POE devices as long as its total power budget is not exceeded.



In the second diagram, CAMSWITCH QUAD delivers POE power to two maximum-Power Class devices. The remaining two ports can still be used for Ethernet, but POE power will be refused as it cannot be delivered safely and reliably.

Power for all devices is supplied via CAMSWITCH QUAD's versatile power input, which is designed to be compatible with existing 12V DC or 24V AC supplies, and accepts DC power in either polarity to safeguard against wiring errors.

An optional power supply is also available from Veracity.

Technical Specification:

Ethernet :

Connector type : RJ45, five ports
Cable type : Straight through or cross-over, auto detected
Rates supported : 100BaseT / 10BaseT, full / half duplex, auto negotiating

Power over Ethernet :

POE standard : IEEE 802.3af on four ports, any Power Class (0-3)
Max total power : 30.8 Watts (including cable losses)

LED Indicators :

Amber :	Constant:	Ethernet link On
	Blink:	Network traffic
Green :	Constant:	POE enabled to port
(POE ports)	Blink:	Port error / insufficient power available
	Off:	No POE requested
Green :	Constant:	Power OK
(non-POE port)	Off:	No power

Power Input :

Connector type : Screw terminals with detachable plug
Power supply type : IEC Class II isolated only
Operating voltage : 10-40V DC
20-28V AC
(type and polarity auto detected)
Supply current : <4.0A (12V), <1.8A (24V)

Environmental :

Operating temp : -10°C to 50°C
Relative humidity: 85% non-condensing
Grounding : Chassis should be grounded
Dimensions :
L 91mm (excluding connectors)
W 110mm (140mm including mounting lugs)
H 32mm
Weight : 250g
Compliance : CE, FCC, RoHS
Mounting : Optional wall-mounting lugs, supplied fitted

Veracity UK Ltd
6 Barns Street, Ayr,
KA7 1XA
UK

Tel 01292 264967
Fax 01292 263127

www.veracityuk.com
sales@veracityuk.com

