

# SPARKLE

OEM Dome Specifications



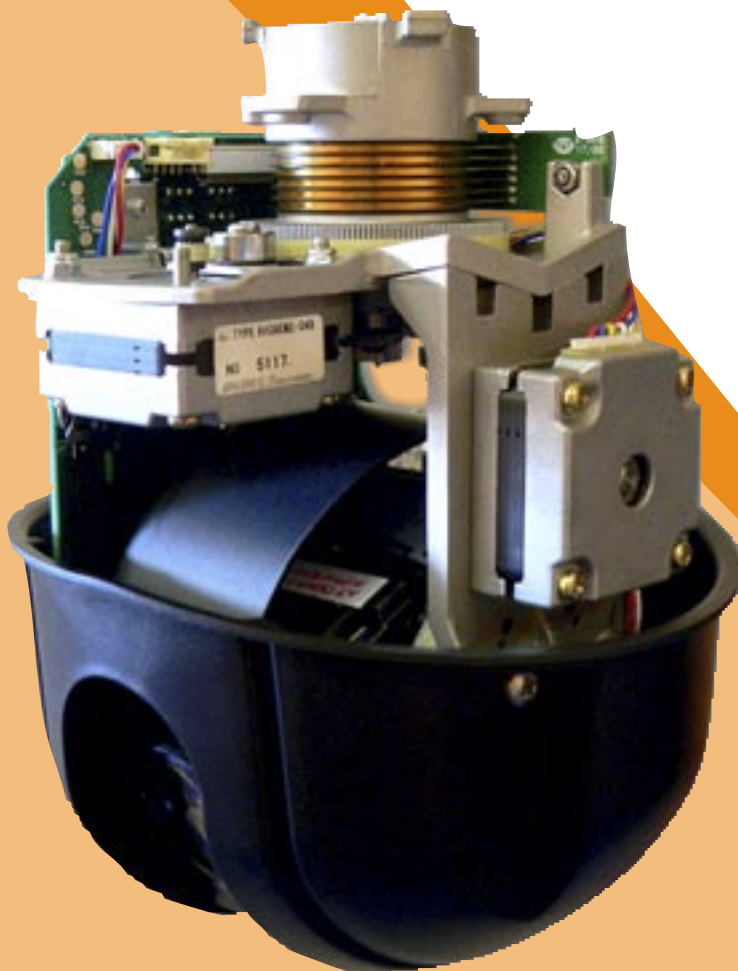
# Why Overview

- We specialise in providing OEM customers with customised speed dome solutions
- We are already developing next generation technology for you
- We optimise proven Speed Dome technology
  - We do not sell against you in the market.
  - Our pricing is competitive



## Supply options

- Internal/external/ceiling mount options
- Custom shapes to customer specifications
- Custom colours to customer specifications
- Smoked, clear or metallised bubble options
- Alternative camera options available

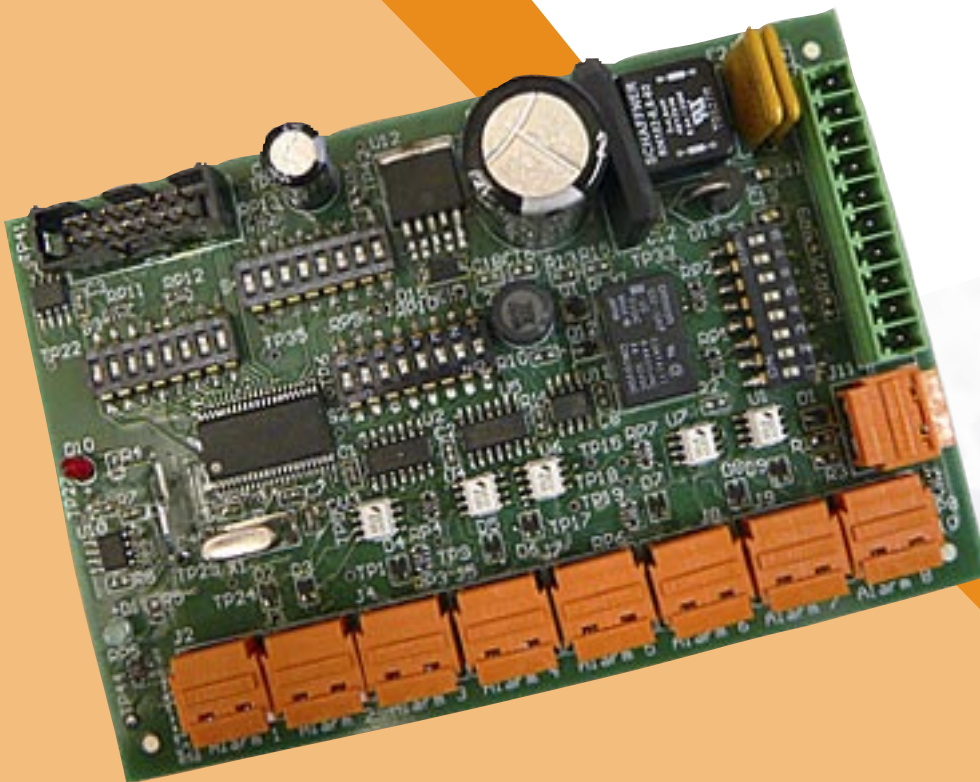


# Sparkle Alarm Card

The Sparkle alarm card simplifies local wiring to distributed alarm contacts.

The card can either be monitored directly from a Sparkle dome under UTC control or sit on an RS-485 serial control loop.

- Cards can be placed close to the alarms themselves
- Up to 8 cards can be cascaded - max 64 alarms
- 8 opto-isolated alarm inputs on each card
- Alarms individually set for NC or NO
- 18 to 28 V ac/dc supply
- 1c/o relay output per card



# Technical Specifications

## Standard Video System

Privacy Zones:	12 User Definable
Video Effects:	Freeze frame Electronic Picture Flip
Video Format:	PAL / NTSC
Scanning System:	2:1 Interlace
Image Sensor:	1/4 inch interline transfer CCD
Lens:	18 x Zoom F = 4.1mm (wide) to 73.8mm (telephoto) F1.4 to F3.0 12x Digital Zoom
Optical zoom speed:	2.1 seconds (wide to telephoto)
Digital zoom speed:	1.7 seconds (digital wide to digital telephoto)
Angle of View (H):	48° (wide) to 2.8° (tele)
Sensitivity:	0.7 lux (F1.4, 1/50s Pal or 1/60s NTSC) 0.05 lux (F1.4, 1/3s Pal or 1/4s NTSC) < 0.01 lux (F1.4, 1/3s PAL or 1/4s NTSC) withICR filter
Shutter speed:	Automatic with manual override Pal: (Low light slow, 1/50s, 1/215s, 1/1000s, 1/3500s, 1/10000s) NTSC: (Low light slow, 1/60s, 1/250s, 1/1000s, 1/4000s, 1/10000s)
Iris Control:	Automatic with manual override (16 steps)
Focus:	Automatic with manual override
White Balance:	Automatic
Gain:	Automatic
IR Filter:	Automatic
Video Output:	Variable 1Vp-p to 2Vp-p, 75 ohms (8 steps)
Video Lift:	High frequency boost (8 steps) (Frequency response gain levels TBC)

## Communication Protocols

RS485:	Pelco P, Pelco D, Samsung, Dennard, VTC
Co-axial:	Pelco Coaxitron®, BBV

## Menu System

Password protection:	Built in
Languages supported:	English, French, Spanish, German, Italian

Sparkle on screen menu system offers a simple, intuitive and powerful interface to the complete set of dome features, with password protection for increased security. Other language options can be accommodated if required.

## Standard Specification

Number of Presets:	32 (user configurable)
Number of Pattern Tours:	4 * 1 minute (user configurable)
Number of Slow Tours:	8 (user configurable)
Number of Fast Tours:	8 (user configurable)
Preset Accuracy:	0.1°
Tilt Range:	User definable 0 to 90 degrees (with/without bottom flip) 0 to 180 degrees (with electronic picture flip)
Joystick Control:	Variable selectable speed ranges for precision control Variable speed adjustment with zoom depth
Pan speed:	0.01°/s to 360°/s
Tilt speed:	0.01°/s to 200°/s
Preset Moves:	Pan speed: 200°/s Tilt speed: 200°/s
Power Fail:	Last action restoration on power up
Software Upgrades:	Fully upgradeable over RS485 link both prior to and post installation

## Mechanical Features

IP Rating:	IP67
Housing Construction:	Vandal resistant die-cast aluminium
Bubble Construction:	Optical grade polycarbonate
Internal Mechanism:	Die-cast aluminium
Housing Finish:	Powder coat

## Electrical System

Power Supply:	18-28 VAC/DC
Input Power:	10VA nominal
Surge Protection:	Built in surge protection Limited lightning protection

## Environmental

Environmental specifications subject to change.	
Min temperature:	-5°C sustained
Max temperature:	45°C peak, 40°C sustained

*Notes:* Coaxitron is a registered trademark of PELCO

# Pay us a visit

The best way to find out how we can help you is to visit us, to discuss what you need and how our team can assist you.

We can show you some of what we do, talk about our future development roadmap and discuss how we can tailor a product for you.

Please get in touch.

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