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External Domes D500 *Meridian* & *Beacon* Domes

D500 *Meridian* and *Beacon* external domes have been designed to accommodate a wide range of cameras and lenses in particular for use in town centre CCTV schemes and prisons. Installers are able to choose from a wide range of different versions, including the standard *Meridian* pan/tilt or fixed camera dome and the *Beacon* type. This enables most end users criteria to be met.

The pan/tilt versions are supplied complete with a built-in RS485 receiver and are available with or without a camera and lens. Static versions are supplied prewired for a camera and lens to be fitted by the installer.

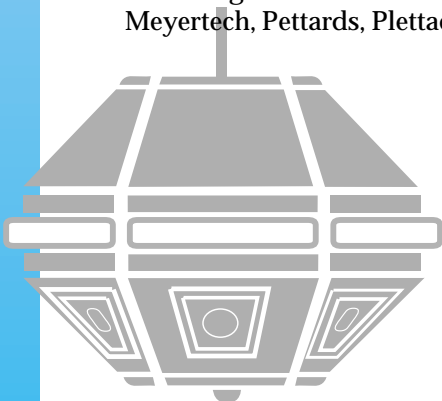


D500 *Meridian* Dome

External domes offer end users a number of benefits against mere pan/tilt heads. With a dome, it is virtually impossible to detect in which direction the camera is viewing. They are also more aesthetically pleasing than alternative pan/tilt heads, thereby being more acceptable to architects and town planners.

The maximum speed of 120° per second allows quick access to preset positions and the variable speed control enables the operator to track a fleeing vehicle or pedestrian with ease and precision. A patrol path can be set up for each dome in a system and alarms may be set for automatic triggering of preset positions and remote monitoring.

Meridian and *Beacon* domes also offer the benefits of complete control flexibility. Not only can the domes be controlled by the Mark Mercer Electronics TM99 or MM500 control systems but they are compatible with a wide range of other matrix control systems. These include Baxall, BBV, Coe, Ernitec, Geutebruck, Maxpro, Meyertech, Pettards, Plettac and Synectics.



Mark Mercer Electronics Ltd
A British manufacturer specializing in
surveillance domes since 1978.

Beacon Domes

The *Beacon* dome is a new and unique design by Mark Mercer Electronics Ltd. A UK patent for it is under application. The design function is to remove the support pole from the field of view. The support is of no consequence where domes are mounted on walls but the total elimination of the blind area is a considerable benefit in all pole mounted applications, especially prisons and town centres.

Beacon domes offer users full 360 degrees field of view. This has been achieved by mounting the domes from underneath onto a column. Full 90 degrees tilt is maintained so that the camera can look vertically down to the bottom of the pole and out to slightly above the horizontal. An additional benefit is that the dome can be made to blend in well with modern street lighting of a similar design, thereby offering users means for more discrete surveillance.

The domes are supplied with a bracket for mounting on a column atop a standard PTZ plate. No additional bracket is therefore required. A 'plug in' connection means the dome can be simply lifted off the pole complete to facilitate servicing.



D500 Beacon Dome
Design Copyright. M. Mercer

D500 Dome Features

- Black double skinned grain finish 500mm dia. ABS top cover
- Clear 500mm dia. distortion free acrylic lower cover
- Non-rotating outer covers
- Internal rotating black dome for camera obscurity with small lens opening
- Simple and quick connection for ease of installation and maintenance
- Maximum camera & lens length 300mm
- Power requirement 110VAC at 100VA

Options Available

- Single speed version with/without AC RS485 receiver (*Meridian* version only) (Order Code: D500APT_X)
- Smoked lower cover (Order Code: SK)
- AC daughter board. Recommended if dome is constantly patrolling (Order Code: AC)
- Wall brackets, pendant brackets and tower brackets are available for *Meridian* and *AC* domes
- Impact modified lower cover for vandal resistance (at the expense of optical quality) (Order Code: IM)

Technical Specification

Product Code	Version	Type	Receiver	Electrical	Presets	Pan Speed	Tilt Speed	Rotation	Tilt	Weight
D500MPT _X	Pan/Tilt	Meridian	RS485	110VAC	16	0 - 120° sec	0 - 30° sec	360°	90°	11kg
D500MST _X	Static	Meridian	N/A	110VAC	N/A	N/A	N/A	Manual	Manual	9kg
D500BPT _X	Pan/Tilt	Beacon	RS485	110VAC	16	0 - 120° sec	0 - 30° sec	360°	90°	12kg
D500APT _X	Pan/Tilt	AC	Optional	24VAC	0	18°/sec	18°/sec	360°	90°	11kg
D500AST _X	Static	AC	N/A	24VAC	N/A	N/A	N/A	Manual	Manual	9kg