

# Baxall Domes



## Introduction

In the summer of 2003 Baxall Ltd launched a new dome product range, the range covers internal/external options with a range of mounts and Monochrome, colour and colour/Monochrome camera options. The Baxall Pro-Dome has been adopted from the High quality, field-tested American dynamics 'Ultra' dome and new joint developments are moving the product forward to the next level of integration, also allowing for faster and simpler installs.

## Recap on dome technology

For many years customer used standard Pan and Tilt heads (PTZ) these came in to main variants 1) AC fixed speed pan & tilt unit or 2) DC variable speed pan units. The PTZ units required qualified engineers to prepare and build the PTZ heads, this took a great deal of time and ongoing maintenance with the units being large and heavy. Ongoing requests from customers were to make the units more maintenance free and more pleasing to the eye which lead to the development of combined integrated units, known as "domes". Domes consist of variable speed motors, gears, electronic PCB's and combined camera lens units.

## Design and Installation

The Baxall Pro-Dome range has the ability to be installed on may other manufacturers systems with the selectable options for the control protocol that can drive the Pro-Domes, the control options are listed below: -

- 1) Digital UTC from Baxall (more explained on this later)
- 2) Pelco Coaxitron (Up The Coax)
- 3) Panasonic (UTC)
- 4) Sensornet (high speed RS485)
- 5) Sensormatic RS422
- 6) American Dynamics Manchester
- 7) Pelco 'P' (RS485)

With further controls options being added in the future.

### Digital UTC and Quick Set

Some of the unique features that are featured in the Baxall Pro-Dome range are Digital UTC with two-way communication and video on a single coaxial cable. The Digital UTC will allow installers to achieve further distances on standard video cables, for example you can achieve 500m on RG59 and URM70 coaxial cables, this allows double the distance of standard recommended camera signals. As well as

sending video signals in one direction it is also possible to send additional information such as alarms back to the controller on the same piece of cable, saving the cost and hassle of installing additional cables.

Another feature that has additional benefits to users is the Quick-Set feature. The Quick-Set features allows user single key press operation to get controls of various features such as: -

- 0) Quick-Set menu on/off (displayed on screen)
- 1) Dome menu access
- 2) Blar blar?
- 3) Flip
- 4) Peel

### Ping Testing

Ping testing is a feature that has been around on computer networks for many year, however this feature has now been adopted by the Baxall Pro-Dome range and can be used with the Digital UTC control protocol only. The ping test allows installers to verify their cabling by sending out commands from the controller to the dome and confirming the signals, this feature is only available on the Baxall Pro-Dome and the new ZTX7 controller, due for release in the fourth quarter of 2003.

### New Developments

Be careful to keep an eye out for further Digital UTC, two way developments as more features and supporting product will be added in the future.

With the exciting new development of the Digital UTC, Quick-Set, Ping test and extended distances allowed by the Digital UTC on the range of Baxall Pro-Domes, I am sure that the Baxall Pro-Dome range is one of the most powerful domes currently on the market and with a three year warranty (please see terms of warranty) and new developments promised, it is also the dome of the future.