

General Information

The Bowler range of miniature pan & tilt heads consist of 24Vdc and 12Vdc units, in both over the top and sidemount configurations. All versions are available as continuous rotation. The sidemount version is capable of carrying 10Kg, and over the top mount 6Kg

The units are extremely compact (only one third the volume of a Topper), are externally robust, and aesthetically designed to IP68, providing a rugged and stable mobile camera platform for use in most CCTV installations, where a smaller, more discreet pan & tilt head is required.

A fresh design approach has introduced a simple but effective, externally adjustable limit switch facility and larger bearings with a broader spread, which allows much higher load capacities when configured in the sidemount configuration

Items Supplied

1.5 Metre flying lead
Copy of this Manual

Variants

AC Models:

Not Available

DC Models:

12 Volts & 24 Volts

Pan Speeds (Degs/sec)

10, 30

Tilt Speeds (Degs/sec)

10

Sidemount or Over the top mount, Pre-set positioning & Colour Options are available on all models. Continuous available on all models

Compatibility with other MAD Products

710 Mounting Bracket

Connections for a continuous rotation DC head with braking

Base Section (Static)

9 Pin Plug

Function	Pin No
Pan Right +ve	1
Pan Left return	2
Pan Brake +ve	3
Pan Brake return	4
Tilt Up +ve	5
Tilt Down return	6
Tilt Brake +ve	7
Tilt Brake return	8
N/C	9

18 Pin Plug

Function	Colour
Video	1
0 Volts	2
Pan pre-set signal	3
Tilt pre-set signal	4
Zoom pre-set signal	5
Focus pre-set signal	6
N/C	7
Zoom Drive +ve	8
Focus Drive +ve	9
Iris Drive +ve	10
Lens 0 Volts	11
Pre-set return 0 Volts	12
User 1	13
User 2	14
User 3	15
User 4	16
Pre-set supply +ve Volts	17
N/C	18

Head Section (Rotating)

Flying lead

Function	Pin No
Video	Red
0 Volts	Slate
Zoom pre-set signal	Brown
Focus pre-set signal	White
Pre-set supply +ve Volts	Green
Lens 0 Volts	Black
Pre-set return 0 Volts	Pink

Flying lead

Function	Pin No
Zoom Drive +ve	White/green
Focus Drive +ve	Brown/green
Iris Drive +ve	Violet
User 1	Blue
User 2	Yellow
User 3	Slate/pink
User 4	Red/blue