

General Information

The Topper range of Pan & Tilt Heads consist of a series of compact, externally robust, and aesthetically designed units which have been fully weather and dust proofed to IP 68 rating.

Each unit in the range offers both sidemount and over the top mount options as standard. Load capabilities are 25Kg sidemount, and 16Kg over the top mount at 12 degs/sec tilt speed (this reduces to 8Kg with 18 degs/sec). These weights assume that the centre of gravity of the load is no higher than 100mm above the camera mounting platform, and on the centreline of the output shaft of the Pan & Tilt unit.

The installing and setting up of these units has been made extremely simple by virtue of their innovative design and construction.

Two basic versions are provided, an AC model available in various voltages, and a DC model, which provides a variable speed capability. A selection of gearboxes with alternative gear ratios is also available for each version. Pre-set position potentiometers are available as an option for all versions of the Topper range of Pan & Tilt Heads. Also available is a continuous rotation version of all models.

Items Supplied

Control Connectors
Copy of this Manual

Variants

AC Models:	DC Models:
24 Volts & 230 Volts	12 Volts & 24 Volts
Pan Speeds (Degs/sec)	Pan Speeds (Degs/sec)
3, 6, & 12	32, 48, & 58
Tilt Speeds (Degs/sec)	Tilt Speeds (Degs/sec)
3 & 6	12 & 18

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

Connections for a continuous rotation DC head with braking

Base Section (Static)

9 Pin Plug (Upper)

Function	Pin No
Pan Right +ve	1
Pan Left return	2
#Pan Brake +ve (24v or 12v)	3
Pan Brake return	4
Tilt Up +ve	5
Tilt Down return	6
#Tilt Brake +ve (24v or 12v)	7
Tilt Brake return	8
N/C	9

24v supply required for 615
12v supply required for 616

18 Pin Plug (Lower)

Function	Pin No
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 5Volts *	17
N/C	18

Head Section (Rotating)

Upper Connector (Plug)

Function	Pin No
Video	1
0 Volts	2
Zoom pre-set signal	3
Focus pre-set signal	4
Pre-set supply +ve Volts	5
Lens 0 Volts	6
Pre-set return 0 Volts	7

Lower Connector (Socket)

Function	Pin No
Zoom Drive +ve	1
Focus Drive +ve	2
Iris Drive +ve	3
User 1	4
User 2	5
User 3	6
User 4	7

* Smart sensor requires 4.5 to 5.5Volts. More than 6volts will result in damage to smart sensor and will require return to workshop for replacement