

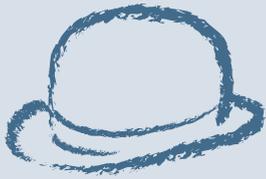


Bowler  
pan and tilt



- |                                       |   |
|---------------------------------------|---|
| Strong lightweight construction       | Dual process heat treated gravity die cast aluminium casing                   |
| Highly reliable with minimal backlash | Precision turned and milled internal components with ball races on major axes |
| Built to last                         | Stainless steel fastenings  |
| Weatherproof                          | 'O' rings and lip seals. IP rating 68   |
| Long operational life                 | Maintenance free, two year warranty   |
| Easy to install                       | Simple external limit switch adjustment to 360 degrees travel                 |
| Mounting plate                        | Suitable for all small housings   |
| Continuous rotation option            | Installation flexibility with quickest route to preset                        |
| Corrosion resistant finish            | Colour options available  |
| Regenerative braking                  | Aids rapid deceleration   |

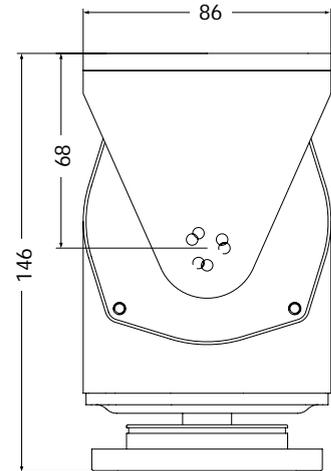
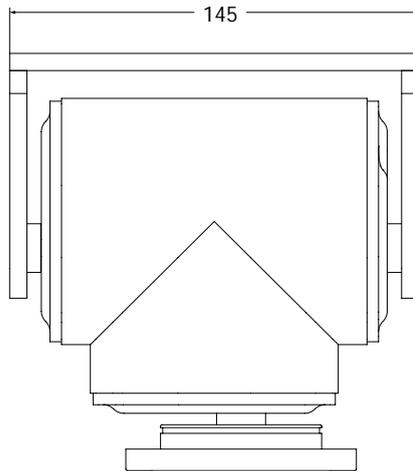
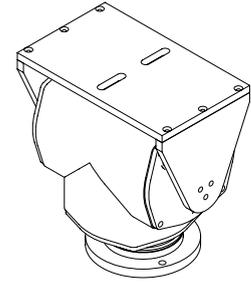
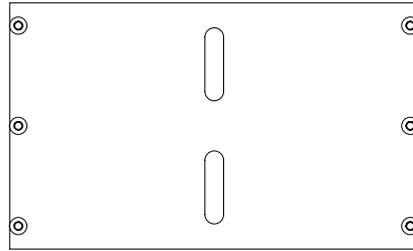




## Bowler pan and tilt

The Bowler range of miniature pan and tilt heads consist of 24v dc and 12 v dc units in both over the top and side mount configurations.

The units are extremely compact, (only one third the volume of the Topper.) They are externally robust and aesthetically designed to an IP 68 rating providing a rugged and stable mobile camera platform for use in most CCTV installations where a smaller size is required. A fresh design approach has introduced a simple but effective limit switch facility and larger bearings with a broader spread to allow a much higher load capacity on side arm configurations. The gearbox has been designed to provide higher gear ratios which give lower speeds without costly modifications.



<b>Dimensions (mm nominal)</b>		Side mount	Over the top
Height		130	146
Width to platform face		145	145
Width to platform outer edge		265	N/A
Depth (without flying lead)		85	85
<b>Weight (kg)</b>		<2.3	<2.3
<b>Fixing centres</b>	Base	3 holes tapped M5 on 70 PCD plus 3 holes 5.5 dia on 70 PCD	
	Platform	4 holes 6.5 dia on 101.6mm (4") PCD/Square	
<b>Voltages</b>		24 V DC or 12 V DC nominal	
<b>Speeds (°/sec)</b>			
Pan		30	10
Tilt		10	
<b>Capacity</b>		10 kg in side mounting configuration, any speed 6 kg in over the top configuration @ 30/10 deg/sec	
<b>Operational Angles (°)</b>			
Side mount		360	+/- 180
Over the top		360	-90 to +30
<b>Backlash</b>		Less than 0.15	
<b>Control cable</b>		2 metre flying lead	
<b>House colour</b>		Goose Grey, textured, semi gloss (BS4800 00 A05)	
<b>Maintenance</b>		None required	
<b>Temp. range (°C)</b>		-20 to + 50	



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