

PT3636-HD

Heavy Duty Hydraulic Pan & Tilt

Preconfigurable hydraulic position control

The Trittech PT3636-HD hydraulic pan and tilt unit has been designed to eliminate a number of potential weak points identified on other hydraulic pan and tilt units. Designed for a heavy payload capacity and in a rugged, compact, unit the PT3636-HD is an ideal solution for use on subsea vehicles and harsh environments.



The Trittech PT3636-HD pan and tilt unit is designed with the hydraulic connections located on the mounting base, which allows the unit to be installed using rigid rather than flexible piping. By using rigid piping the system offers reduced interference and smooth operation of cameras or lights and increases the efficiency and reliability of the unit.

The integral mounting bracket has been designed with practical slots for band clamps. This provides a simple method for mounting numerous combinations of different sized cameras and lights.

The PT3636-HD has been designed to be compact and to work efficiently and reliably when mounted in a restricted area.

Benefits

- Compact unit
- Robust and proven design
- Allows the use of rigid hosing

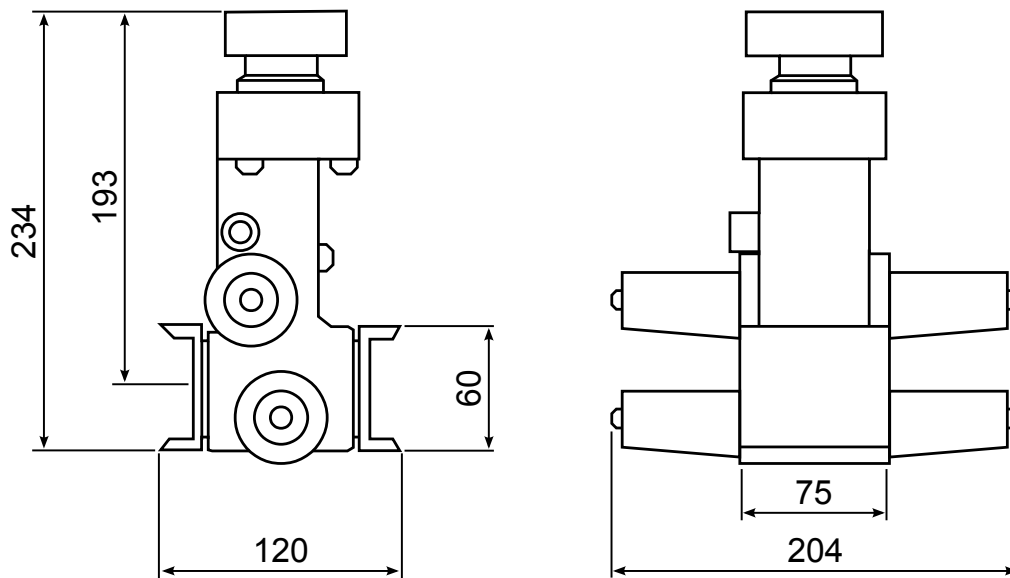
Features

- Highly reliable
- Heavy payload capacity
- Built in flow restrictors
- Uniform sweep speeds
- Pre configurable pan and tilt envelopes
- Cast aluminium body
- Two mounting brackets

Applications

- Camera deployment
- Underwater lighting

Specification



Not to scale, dimensions in mm.

Hydraulic Specification

	SI Units	US Units
Torque	56N·m at 20MPa	41lb·ft at 2900psi (200 bar)
Specific torque	0.28N·m per 100kPa	0.207lb·ft per 14.5psi (1 bar)
Maximum payload	12kg	27lb
Single side limit	8kg	18lb
Working pressure	10MPa	1450psi (100 bar)
Maximum pressure	20MPa	2900psi (200 bar)

Physical Specification

	SI Units	US Units
Height	234mm	9.2"
Length	204mm	8"
Width	120mm	4.7"
Weight in air	4.1kg	9lb
Weight in water	3.1kg	6.8lb
Hydraulic ports	7/16 inch SAE	
Pan angle	360° adjustable	
Tilt angle	360° adjustable (180° set as standard)	
Materials	Cast aluminium, anodised aluminium, stainless steel	