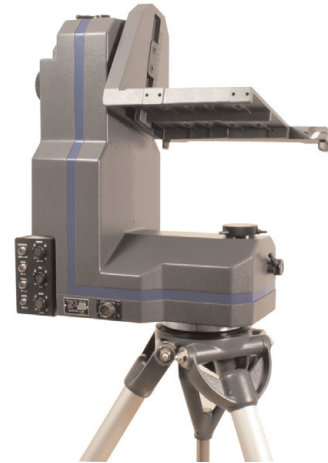




TG-18 Pan & Tilt Head



TG-19 Pan & Tilt Head

Robotic Pan & Tilt Heads

The TG-18 and TG-19 Pan & Tilt Heads feature high accuracy and exceptional repeatability to reliably provide the exact shots required with even the heaviest camera packages.

The utilization of high resolution absolute encoders ensure accurate and repeatable positioning coupled with the ability to provide smooth movement at very low speeds which is ideal for making minor adjustments during live programmes. The heads may also be used for Virtual Studio applications without mechanical modifications

The TG-18 and TG-19 are also ideal for manual operation. Both heads are fitted with electronic clutches to de-couple the motor drives as well as adjustable fluid dampers to provide the smoothness required for manual control. Brakes for pan and tilt and a paddle locking mechanism to assist camera mounting and de-mounting are provided as standard.

When used with Shotoku's range of control systems the innovative LEARN mode allows a camera operator to 'teach' the head a complete series of movements which can be reproduced exactly, time after time.

APPLICATIONS

- ▶ News, Sport and Current Affairs Studios
- ▶ Virtual Studios
- ▶ Parliaments and Legislatures

FEATURES

- High resolution Intelligent Encoders
- Manual Operation with fluid damping
- Unique 'LEARN' mode
- Pan & Tilt brakes and lock
- VR capable
- Upright or Inverted operation

SPECIFICATIONS

Payload	50kg/110lbs (TG-18) 65kg/143lbs (TG-19)
Tilt range	+/- 45 degrees
Pan range	+/- 170 degrees
Maximum speed	60 degrees per second
Minimum speed	0.01 degrees per second
Resolution	0.002 degrees
Repeatability	0.05 degrees
Weight of head	26kg / 57.3 lbs (TG-18) 40kg / 88 lbs (TG-19)
Manual operation	Yes
LEARN mode	Option
Virtual reality output	Option
Mounting	4 off. 3/8"-16 UNC Female thread on 111.12mm (4.375") diameter