



Advanced Pan and Tilt Head

The TG-18 is a next generation multi-purpose pan and tilt head featuring accuracy, exceptionally smooth performance and instant changeover to full manual operation.

The head is at the heart of countless live studio installations around the world and uses advanced digital servo technology with enhanced styling and modular mechanical construction enabling higher payloads and easy maintenance.

The head supports full manual operation, with seamless switching between manual and remote modes. No head movement occurs when switching between modes or when powering on. In manual mode the servo systems are entirely disengaged through the use of clutches, and fluid dampers provide adjustable drag for pan and tilt axes. No AC power is required at the head, only low-voltage DC via a multi-core cable from the Shotoku PDU.

The head is ideally suited to studio applications in combination with a wide range of payloads right up to 62kg, perfect for most camera configurations including full size teleprompters, preview monitors, view finders and other accessories.

A larger TG-19 supporting up to 70kg, and offering the same high performance and manual/remote facilities is also available. The TG-19 is ideal for payload configurations using large studio lenses.

Both models can be supplied with self-contained high resolution encoders for use in Virtual Reality applications where real-time, accurate position information is required at all times.

The TG-18 head is also available in the Integrated CMC configuration (TG-18i) for applications where a CMC is not present in the supporting robotic system (e.g. standalone head or head with Ti-11 / Ti-12 height drive only)

APPLICATIONS

NEWS / SPORTS / TV SHOPPING STUDIOS
VIRTUAL STUDIOS

SPECIFICATIONS

PAYLOAD	62kg/136lbs (TG-19: 70kg/154lbs)
TILT RANGE	±45°
PAN RANGE	350°
MAX. SPEED	60°/s
MIN. SPEED	0.01°/s
RESOLUTION	0.002°/s
REPEATABILITY	<0.05°
MANUAL OPERATION	Fully de-clutched. Variable fluid drag
LEARN MODE	Option
VR OUTPUT	Option
MOUNTING	4 x Bolt Flat Mode