



TG-18 Pan & Tilt Head with CMC Motion Control Unit.



Integrated Power

The TG-18i is based on Shotoku's highly popular and on-air proven TG-18 Pan and Tilt head. The TG-18i is at heart of the Shotoku remote camera range being widely used either standalone or with TI-12 or TI-11 elevators and SmartPed robotic pedestals. The TG-18i variant now allows customers to choose to have the CMC motion control system and PDU power unit fully integrated within the body of the TG-18 itself.

With integrated CMC and PDU the TG-18i provides convenient connection points to the outside world typically needing only AC power and network directly to the head. However, one of the benefits of a separate CMC is ease of service and this is not lost in the TG-18i. It is still a simple task to access the internal electronics and power circuits without any impact on the head or the payload, making service easy.

As well as AC and network connections the head accepts Genlock for VR applications and additional network ports for accessories such as LiveView and redundant control networks using Shotoku's RNI system.

APPLICATIONS

-  News, Sports & Current Affairs
-  Virtual Studios
-  Parliaments and Legislatures

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 provides adjustable drag for pan and tilt axes.

The TG-18i can be supplied with self-contained high resolution encoders for use in Virtual / Augmented Reality applications where real-time, accurate position information is required at all times.

FEATURES

- Fully integrated CMC and PDU electronics
- Smooth & Precise Camera Movements
- Highly Accurate, On-Air Shot Positioning
- Manual Operation with Fluid Drag
- High Payload Capacity
- Compatible with ALL Shotoku Controllers
- Optional Integrated VR Tracking

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°
Repeatability	0.05°
Manual Operation	Fully de-clutched. Variable fluid drag
Network	1 (2-RNI) Control; 1 LiveView PoE
VR Output	VR data / IP (Option)
Mounting	4 Bolt Flat Mount
Power	110 - 230vAC Input 12v 60W Camera/Accessory Output