



TG-18i Pan and Tilt Head with built-in CMC.



TG-18i Connections and status indicator

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 the heart of the Shotoku remote camera range, being widely used either standalone or with TI-12 or TI-11. The TG-18i variant 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, ease of service is not compromised with the integrated CMC; it is still a simple task to access the internal electronics and power circuits without any impact on the head or payload.

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.

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, whilst fluid dampers provide 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.

APPLICATIONS

NEWS, SPORTS, AND CURRENT AFFAIRS

VIRTUAL STUDIOS

PARLIAMENTS AND LEGISLATURES

SPECIFICATIONS

PAYLOAD	62kg / 136lbs
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
NETWORK	1 (2-RNI) Control; 1 LiveView PoE
VR OUTPUT	VR data / IP (Option)
MOUNTING	4 x Bolt Flat Mount
POWER	110 – 230vAC Input