

ROBYHEAD D1 REMOTE HEAD

ABOUT THE ROBYHEAD D1

The Robyhead D1 is a robotic pan/tilt solution for professional broadcast applications in studios, theaters, conference halls and stadiums - almost anywhere a professional video camera is needed but there's not enough space to put down a tripod.

The head is specially designed for modern 4K cameras, providing 4x3G SDI, 12G SDI and 2xFiber connectivity for camera signals. Like most remote heads the D1 can carry a box-size camera, but unlike other heads the D1 has enough power to carry studio cameras and has an extra port for a teleprompter at the front.

The stylish carbon-fiber body provides smooth and precise movements while staying discrete and unobtrusive. It can be ceiling mounted. An integrated power supply simplifies camera and head connections. The D1 can be controlled via IP or serial interface, so it can be easily integrated into studio or venue infrastructure or quickly setup to be used in remote production.

The head was designed based on a request from Panasonic's Broadcast and Professional Group, which is a partner and a non-exclusive distributor of the product around the globe. The D1 is a perfect match for the Panasonic AK-UB300 UHD/HDR camera and its control panels. In this configuration the D1 and the camera form a 'single logical unit' for the control panel, which provides full control of the head and camera parameters at the same time. In addition, a single control panel can control multiple D1 heads, allowing complete HD/UHD multi-camera systems to be controlled by a single operator thus minimizing production costs. In addition Panasonic remote control panels can be added to provide iris and extended camera controls to the video engineers.

D1 SYSTEM FEATURES

Weight: 19lbs (9 kg)	Encoder resolution: <1 arcsec
Maximum payload: 33lbs (15 kg)	Control interface: IP (Ethernet) or RS422
Angular velocity: 0.01-120°/s	Silent version available as an option
Pan and Tilt range: 300°	Integrated camera power supply
Power supply: 24 VDC	Presets and soft limit stops

On top of all of these features the D1 also has integrated AR tracking functionality. The head is built using high-resolution encoders on each axis, and supports Canon and Fujinon lens drives. It is able to output real-time live tracking data via Ethernet directly to a graphics engine using the FreeD protocol make AR graphic overlays practically plug-and-play.



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Panasonic

Compatible with Panasonic
broadcast infrastructure