

# VR100



Furio Robotic Pan / Tilt Head

Real-world payload. World-class productions.

# VR100

### ENTRY LEVEL PAN / TILT HEAD FOR VS / AR

Despite the ever decreasing size and weight of cameras and teleprompters, most compact Pan / Tilt heads are still limited to just a camera and lens. With the increasing use of Virtual Sets and Augmented Reality, there is a need for an entry level Pan / Tilt head designed for these applications that is powerful enough to support a medium-sized prompter.

With this need in mind, Ross Video has developed the VR100 Pan / Tilt head. Based on the original VR1 design, the absolute encoding technology of the VR100 makes it ideal for VS / AR applications in which virtual objects must precisely match and track real-world images. The strength and rigidity of this head are significantly enhanced to support payloads up to 20 kg (44 lbs), and eliminates the need for an extra support arm. The VR100 accommodates small and medium-sized teleprompters, making it the perfect solution for compact virtual sets or practical sets with augmented reality.



### FEATURES

- Absolute Pan/Tilt Encoders eliminate the need for homing, perfect for VS/AR applications.
- 20 kg (44lbs) payload supports most ENG / Box cameras with ENG lenses and can also handle teleprompters up to 12" with ENG cameras / 15" with Box cameras.
- All Presets and Moves stored inside the head, enabling a redundant control system architecture.
- Integrated Web Server provides easy configuration and diagnostics using standard web browser to set network parameters, limits, tracking, and more.
- Shares common hardware, mechanical and control platform with existing VR1 & VR600 heads, making it compatible and upgradeable to any existing Furio Robo system.
- L-shaped cradle with no secondary support arm makes the VR100 smaller, more compact than VR1 and competitors.
- 50% stiffer body delivers more stable shots with higher payloads.

SPECIFICATIONS	
Max. NET* payload	> 20 kg (44 lbs)
Min. / Max. Pan / Tilt Speed	> 0.001 – 60 deg/sec
Pan / Tilt Repeatability	> < 0.02 deg
Max. Prompter Size	> Max. 12" (15")
Weight Pan / Tilt Head	> 15 kg (35 lbs)
Power requirement	> 24 V DC brick 100-240 V AC
Tracking for VS / AR	> Uses Absolute Encoders
Control Interface	> Ethernet IP (RJ-45)
Lens Control	> Digital Lens Interface with auto-detection of Canon and Fujinon lenses
Video Reference Input (Genlock)	> Tri-level or blackburst

\* For VS / AR applications requiring a higher payload, Ross offers the VR600.



# ROSS

# VR100

Ross Video has a complete range of technical services available to ensure that your VR100 installation is a success.

**Operational Training** can be provided at Ross Video, on-site or on the web. Experienced Ross operators will teach your staff to get the most out of your new system, and enhance your productions.

**Commissioning** is a service to help get your robotic system properly configured, connected and installed. This service is performed by factory trained Ross technical staff.

**Technical Training** can be provided at Ross Video, on-site or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

VR100 comes standard with a 1 year comprehensive warranty. **Extended Warranties** on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video – **Included for the life of your system.**

## Contact Us

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Technical Support

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