



Datavideo PTR-15

ProdCode: DATAPTR15

4K Robotic Pan Tilt Head



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Features

- 4K Robotic Pan Tilt Head
- Versatile Signal Connectivity
- Wide Range of Compatible Cameras Supported
- Light Weight, Strong and Sturdy Design
- Supports Cameras up to 4Kg
- Dual 12G-SDI and HDMI 2.0 Interfaces
- Genlock/Timecode Synchronization and Calibration
- Comprehensive IP Control
- Seamless PoE++ Integration
- Built-in Tally Light
- Dual Voltage Output: 12V/24V Compatibility

Discover PTR-15 4K Robotic Pan-Tilt head

Datavideo's latest release, PTR-15, a 4K 12G-SDI robotic pan tilt head with FreeD functionality.

It employs an efficient driving system to achieve smooth and precise robotic pan and tilt movements. It can be paired with most models of broadcast-grade cameras available in the market, enabling remote control of camera parameters such as pan, tilt, zoom, and aperture.

The PTR-15 comes equipped with the built-in FreeD virtual tracking feature, which utilizes computer vision sensor technology to recognize and track the position and movements of the subject being filmed.

The PTR-15 can be controlled using an IR controller, VISCA protocol controller, Datavideo RMC-180 MARK II camera controller, RMC- 300A universal remote control panel, and is compatible with both serial and Ethernet (DVIP) connections.

Versatile Signal Connectivity

The PTR-15 boasts an extensive range of signal interfaces for seamless integration with the remote head.

These interfaces encompass SDI, HDMI, RS-232, RS-422, DVIP, Tally, and LANC, providing diverse connectivity options.

Cost-Effective Transition to Remote PTZ Control

With PTR-15, transitioning from conventional camcorder cameras to remote-controlled PTZ becomes a cost-effective solution. The system empowers a single operator to efficiently manage multi-camera remote operations.

Wide Range of Compatible Cameras Supported

Benefit from PTR-15's LanC control, which seamlessly integrates with a diverse selection of professional video camcorders. This compatibility empowers you to choose the optimal camcorders that align with your specific requirements.

Light Weight, Strong, and Sturdy Design

Crafted from aluminium alloy, the PTR-15 boasts a mere weight of 3.7 kg. Its robust

design serves as a stable foundation for your camera setup, offering the strength needed to support cameras weighing up to 4 kilograms.

Diversified Controller Options

PTR-15 accommodates a range of control options, including Serial ports, Ethernet, and LanC. Tailored to your requirements, it seamlessly supports Datavideo's RMC-180 MARK II, RMC-300A, and SHOWCAST 100 will fulfill your control needs.

Support Your Cameras up to 4 Kg Weight on PTR-15

Engineered from robust aluminium alloy, PTR-15 features a super-strong design, providing a sturdy foundation for your camera setup. This construction ensures dependable support for cameras weighing up to 4 kilograms.

Comprehensive IP Control

In addition to the standard RS-232/422 control, the PTR-15 provides robust IP-based control, keeping up with the modern trend of IP-based systems. This technology migrates the camera control protocols and technical parameter adjustments used in high-end broadcast studios to an open IP environment. This transformation breaks away from the previous limitations of exclusive one-to-one control, enabling the free switching of different cameras and achieving precise adjustments of camera parameters such as aperture, shutter, red/blue gain, inflection point, and more. This advancement allows on-site camera operations to enter an unprecedented era of convenience.

Dual 12G-SDI and HDMI 2.0 Interfaces

The robust and stable nature of SDI interfaces makes them highly suitable for broadcast environments, while HDMI offers high compatibility with peripheral devices. The PTR-15 fully supports both 12G-SDI and HDMI 2.0 standards for broadcast and AV applications. Whether you require SDI or HDMI connections, it provides a complete 4K50/60P audiovisual transmission channel.

Genlock/Timecode Synchronization and Calibration

This is one of the criteria that differentiates broadcast-grade equipment from regular cameras. The genlock function allows interconnection of all cameras and display devices, ensuring precise synchronization at every frame, all operating on the same clock frequency. This prevents issues like tearing due to unstable frame transmission.

Support 199 Preset Camera Shooting Positions

For comprehensive video production demands encompassing various angles and perspectives, PTR-15 boasts the capacity to support 199 preset camera positions, catering to your diverse needs.

Activate these presets effortlessly using the IR remote control, enabling quick access to any of the 199 positions.

In conjunction with the RMC-300A universal remote controller, you can instantly access presets using its 14 dedicated physical buttons.

With the RMC-180 MARK II remote control, 4 physical buttons are available for swift preset recall.

Seamless PoE++ Integration

When utilizing PTR-15, the need for a battery mount on your camera becomes obsolete. Thanks to the integrated PoE++ feature within the PTR-15, no supplementary battery or power source is required during operation.

Built-in Tally Light

Enhanced with a prominent tally light positioned on the front, PTR-15 conveniently displays your camera's operational status.

Dual Voltage Output: 12V/24V Compatibility

To accommodate the diverse range of camera power specifications, the PTR-15 provides dual-voltage power outputs. This feature easily adapts to the majority of business and professional-grade cameras available on the market. Through a toggle switch on the rear panel, you can switch between power output specifications, ensuring stable power supply. The design includes surge protection circuits for enhanced safety during use.

Free-D Virtual Studio Camera Position Awareness System Communication

Datavideo's PTR-15 robotic pan tilt head combines advanced pan-tilt technology with AR/VR systems. It interfaces via RS-422 to transmit pan, tilt, and zoom data to the TVS-3000 Virtual Studio Production System, ensuring seamless collaboration.

For different cameras and lenses, it supports lens tracking data acquisition via ZEK-1 or ZEK-2 sensors, enabling lens zoom control and motor tracking synchronization. The RS-422 output provides 8-bit precision Free-D protocol tracking data, compatible with most virtual systems.

It offers precise pan (± 340 degrees) and tilt (± 45 degrees) control with adjustable motion trajectories and speeds, achieving high precision. Built on Datavideo's DVIP protocol, it's compatible with TCP/IP network protocols, supporting third-party device control.

You can choose the RMC-300A IP control panel with a 5-inch UI touchscreen or the RMC-180 MARK II serial control panel for dual-system control, enhancing security and reliability.

In the box:

- 1x PTR-15
- 1x DC 19V power adaptor
- 1x AC cord
- 1x IR remote control
- 1x DC with lock to D-Tap cable
- 1x HDMI cable
- 1x SDI cable
- 1x Remote cable (2.5mm phone-jack to mini-din 8pin)
- 2x 1/4" screw
- 1x 1/4" to 3/8" screw adaptor

