



Datavideo PTC-305

ProdCode: DATAPTC305

4K 20x NDI Tracking PTZ Camera



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Features

- 4K 20x NDI Tracking PTZ Camera
- Zoom Ratio 20x Optical, 16x Digital Zoom
- Simultaneous Outputs
- Custom Auto Object Tracking
- Smart PTZ Speed Adaptation
- Broadcast Quality 4K Resolution
- Low Noise in Low Light
- Multiple Simultaneous Video Outputs
- Multiple Network Protocol with Dual Stream Function
- Power over Ethernet
- Tally Light

4K PTZ Camera with Auto Tracking

The Datavideo 4K Auto Tracking PTZ Camera PTC-305 is a high-performance tool designed for live production settings. This camera operates at 4K 50/60p with advanced auto-tracking capabilities. It can be controlled using a traditional RS-422 serial port or through IP remote control via DVIP (Datavideo's proprietary protocol) or Sony VISCA over IP.

The PTC-305 series supports dual streaming output, making it ideal for A/V market applications, and facilitates easy streaming to platforms like Facebook (RTMPS), YouTube, and dvCloud. Additionally, the PTC-305 includes integrated NDI control functionality, providing enhanced flexibility and efficiency for modern live production environments.

Compliant with the ONVIF Profile S standard, the PTC-305 ensures compatibility and interoperability in various network video environments. For diverse workflow needs, Datavideo offers extended models like the PTC-305T 4K HDBaseT.

Simultaneous Outputs

Connect your PTC-305 to multiple devices in your workflow for flexibility. All the outputs are active at the same time.

Quick Access to Camera's Auto Tracking

You will be allowed direct access to auto tracking via various external controllers such as the supplied RMC-1AT remote control and DVIP controllers (RMC-300A, PTC View Assist, etc.)

In addition to camera controllers, you can also easily enable auto tracking on smart switchers which include iCAST mini, SHOWCAST 100, etc as well as complete solution systems like ZR-1 Hybrid Video Production Solution.

Custom Auto Object Tracking

If you are filming multiple people, you can designate a person for auto tracking. Once linked to the camera, only the designated person will be tracked, avoiding interferences such as the desks, people coming back and forth, large objects, etc.

Smart PTZ Speed Adaptation

The integrated PID algorithm is able to detect the movement speed of the identified object and automatically adjust the camera's corresponding pan, tilt and zoom speeds in such a way that the lens movement will be smooth, avoiding common camera lens movement problems like jerky movements or unpredicted halts.

Talent Position: Center / Left Side / Right Side

The positioning of talent depends on the videographer's creativity and intent rather than strict rules. Different positions can convey various emotions, messages, or visual effects. A centered composition provides a sense of stability and balance, suitable for scenes that require highlighting the main subject. Videographers may also place the talent on the left third or right third of the frame, leaving adequate space in the foreground to showcase the talent's sight direction or potential future possibilities.

Quick Selection of Full Body / Half Body / Close-up

All of the PTC-305 camera series include RMC-1AT controller. User can quickly select full-body, half-body and close up framing, making it easy to change the shooting scene and framing requirements.

Simply Enable Auto Tracking with Your IR Remote Control

RMC-1AT PTZ Controller. All you need is a remote control to set and control all four cameras and save the four presets.

Broadcast Quality 4K Resolution

With built-in 1/1.8" CMOS sensor, supports resolution up to 2160p 50/60.

Superior Optical Performance

The PTC-305 camera has 20x Optical Zoom and 16x Digital Zoom with the f1.58 wide open aperture.

Low Noise in Low Light

Advanced 3D noise reduction technology is also used to further reduce the noise while ensuring image sharpness.

Multiple Simultaneous Video Outputs

Supports simultaneous HDMI 2.0 and IP output up to 2160p 50/60 and also 3G-SDI output up to 1080p60/50.

Multiple Network Protocol with Dual Stream Function

Support RTSP and RTMPS protocols, easy to stream directly to two different CDN platforms and Datavideo dvCloud as well.

Power over Ethernet

The PTC-305 supports PoE for easy installation. No need to find local power outlets or hire an electrician to install outlets wherever you want to mount your camera. Simply run a single CAT-6 cable to power your PTC-305.

Tally Light

Green and red lights tally to show the preview and program status for broadcast applications.

Compatible with Various Controllers

Control real-time pan, tilt, and zoom camera movements with Datavideo SHOWCAST 100, PTZ View Assist APP, RMC-300A and RMC-180. With configurable preset positions supported.

Compliant with the ONVIF Profile S Standard

The PTC-305 series cameras are compliant with the ONVIF Profile S standard, ensuring seamless integration and interoperability in network video systems.

One Ethernet Cable with NDI® | HX Technology

There is no need for multiple cables and complicated setup. Single-wire concept helps you to transfer video, audio, power, tally, and control over only one Ethernet cable.

Power Over Ethernet (PoE) functionality allows you transmit all the information and power over only one cable.

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In the box:

- 1x PTC-305
- 1x IR remote controller
- 1x Ceiling mount bracket-A
- 1x Ceiling mount bracket -B

- 6x Ceiling mount bracket screw M3*4mm
- 1x DC 12V Power Adaptor
- 1x Safety cable

