



Datavideo PTC-325G

ProdCode: DATAPTC325G

Advanced 4K NDI PTZ Camera with 30x Zoom, 12G-SDI and Auto Tracking - Dark Grey



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Features

- Advanced 4K NDI PTZ Camera with 30x Zoom, 12G-SDI and Auto Tracking
- High-Quality and Reliable Sony CMOS Sensor
- Superior Optical Performance
- Low Noise in Low Light
- Multiple Simultaneous Video Outputs
- Custom Auto Object Tracking
- Smart PTZ Speed Adaptation
- Multiple Network Protocol with Dual Stream Function
- Supports H.264/H.265 Video Compression
- Power over Ethernet
- Tally Light
- One Ethernet Cable with NDI® | HX Technology
- Available in dark grey or white

The Datavideo PTC-325G is a 4K PTZ camera equipped with a 1/2.8-inch CMOS sensor, 30x optical zoom, and dual 4K 50/60p output via HDMI and 12G-SDI with YUV 4:2:2 color sampling. This setup delivers sharp, detailed images with accurate color reproduction, ideal for live events and professional broadcasts.

The PTC-325G features built-in Auto Tracking to automatically follow the subject for hands-free operation. It supports NDI for low-latency video transmission over networks, making it suitable for live streaming and remote production.

With dual power options (DC input and PoE) and advanced encoding, the PTC-325G ensures versatile performance. It supports dual streaming output to platforms like Facebook (RTMPS), YouTube, and dvCloud, and complies with the ONVIF Profile S standard for broad compatibility.

Simultaneous Outputs

With 12G-SDI connectivity, the PTC-325G allows you to connect to multiple devices in your workflow for maximum flexibility. All outputs are active simultaneously, ensuring seamless integration.

Adopts High-Quality and Reliable Sony CMOS Sensor

Datavideo PTZ cameras utilize high-quality Sony CMOS sensors to deliver exceptional image quality and reliability. Renowned for their performance in various lighting conditions, Sony CMOS sensors are widely used in broadcast, cinematic, and professional video cameras. Additionally, these sensors offer lower power consumption, which leads to reduced heat generation and a longer camera lifespan.

Broadcast Quality 4K Resolution

With built-in 1/2.8" CMOS sensor, supports resolution up to 2160p 50/60.

Superior Optical Performance

The PTC-325G camera has 30x Optical Zoom and 16x Digital Zoom with the f1.8 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 12G-SDI output up to 2160p 60/50.

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-325G 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.

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.

Supports H.264/H.265 Video Compression

Support compression of resolution up to 3840x2160 with frame up to 59.94, 60fps and the second channel 720x480p compression. AAC, MP3 and PCM audio compression also supported.

Power over Ethernet

The PTC-325G 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-325G.

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.

RS-422, DVIP and Ethernet Camera Control

RS-422 and ethernet to use DVIP or VISCA over IP commands to integrate with larger control systems.

Compliant with the ONVIF Profile S Standard

The PTC-325G series cameras are compliant with the ONVIF Profile S standard,

ensuring seamless integration and interoperability in network video systems.

The Benefits of Using NDI PTZ Cameras

NDI Pan Tilt Zoom cameras offer several advantages for various applications, particularly in the realm of video production, broadcasting, live streaming, and video conferencing. NDI, or Network Device Interface, is a technology developed by NewTek that allows video and audio to be transmitted over a network, making it easier to integrate and manage multiple devices.

With NDI PTZ cameras, you can easily set up a multi-camera production environment, enabling you to capture different angles and perspectives for more dynamic and engaging content. Here are some reasons why using NDI PTZ cameras can be beneficial:

- **High-Quality Transmission**

NDI PTZ cameras provide high-quality video and audio transmission over a network, enabling crisp and clear visuals for broadcasting, streaming, or video conferencing.

- **Integration & Scalability**

NDI technology allows for easy setup and scalability, enabling you to add and manage multiple cameras seamlessly.

- **Reduced Cable Clutter**

By utilizing a network for video and audio transmission, you reduce the need for multiple cables, simplifying the setup and reducing cable clutter in your workspace.

- **Remote Control**

NDI PTZ cameras are designed for remote control of pan, tilt, and zoom functions, offering flexibility in camera positioning and framing without physical intervention.

- **Interoperability & Compatibility**

NDI is a widely adopted standard in the industry, ensuring compatibility with various video production and streaming systems. This interoperability enhances flexibility and options for integrating the cameras into your existing workflow.

- **Cost-Effective**

NDI PTZ cameras can be a cost-effective solution, especially when considering the reduced cabling and infrastructure requirements. They also offer a versatile alternative to stationary cameras.

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.

NDI® is a registered trademark of Newtek, Inc.

NDI® Virtual Input

PTC-325G as an video input source can be applied to various platforms: Skype, GoToMeeting, WebEx, Zoom, and more.

PTZ View Assist: Control up to 4 Cameras

The camera control app is tailored for the Datavideo PTZ camera series. It can monitor the live streaming video from PTC-140, PTC-145, PTC-280, PTC-285, PTC-300, PTC-305, and the PTC-325 series. The app can control up to 4 cameras simultaneously via DVIP, you can intuitively set up and recall the presets, and adjust white balance, focus and IRIS.

The app is able to decode the live streaming via RTSP and SRT. Easily monitor the live streaming video and set up the parameters promptly in one application. Datavideo provides iOS and Android versions, which you can download on Google Play and App Store for free!

In the box:

- 1x PTC-325G product
- 1x RMC-1AT 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

