



Datavideo PTC-285G

ProdCode: DATAPTC285GW

4K 12x 12G NDI Tracking PTZ Camera - White



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Features

- 4K 12x 12G NDI Tracking PTZ Camera
- 4K Auto Tracking PTZ Camera with 12G-SDI Output
- Simultaneous Outputs
- Custom Auto Object Tracking
- Smart PTZ Speed Adaptation
- Talent Position: Center / Left Side / Right Side
- Quick Selection of Full Body / Half Body / Close-up
- Enable Auto Tracking with Your IR Remote Control
- RS-422, DVIP and Ethernet Camera Control
- Compliant with the ONVIF Profile S Standard
- Tally Light
- Supports H.264/H.265 Video Compression

4K Auto Tracking PTZ Camera with 12G-SDI Output

The PTC-285G is a professional PTZ camera designed for 4K high-quality broadcast applications. This combination of 12G-SDI output and 12X optical zoom makes the PTC-285G a versatile and powerful tool for live events, studio production, and other professional broadcast settings.

The PTC-285 series can be easily managed via the traditional RS-422 serial port or remotely through IP using DVIP (Datavideo's proprietary protocol) or Sony VISCA over IP. This cutting-edge 4K camera series supports dual streaming outputs for versatile A/V market applications, allowing effortless streaming to platforms like Facebook (RTMPS), YouTube, and dvCloud.

In addition to these features, the PTC-285G includes integrated NDI control functionality, providing enhanced flexibility and efficiency for modern live production environments.

Simultaneous Outputs

Connect your PTC-285G 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-285 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.

S-Shaped Speed Curve

The S-Shaped Speed Curve, inspired by the smooth acceleration and deceleration of a lift, is a pivotal feature that enhances the camera lens movement. Much like the elevator ride that starts and stops seamlessly, the PTC-285 camera ensures your video captures maintain uninterrupted fluidity.

This innovative technology eliminates any jerky movements that might be discernible to the naked eye, resulting in professional-quality, visually pleasing content. The S-Shaped Speed Curve is your assurance that the camera's pan, tilt, and zoom functions will operate with precision and grace, delivering an unparalleled visual experience for your audience. Experience the future of camera movement with the PTC-285.

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.

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.

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-285 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.

NDI® is a registered trademark of Newtek, Inc.

NDI® Virtual Input

PTC-285G as an video input source can be applied to various platforms: Skype, GoToMeeting, WebEx, Zoom, and more.

Power over Ethernet

The PTC-285G 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 CAT6 cable to power your PTC-285G.

Tally Light

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

Wide 80° Field of View

PTC-285 series provides a wide Field of View of 80°, easily shooting all the scenes in the field.

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 720x480 with 29.97fps compression. AAC, MP3 and PCM audio compression also supported.

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.

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-280, PTC-285, PTC-300 and PTC-305 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!

