

Release Notes

Model: PTC-305/PTC-305T

Sept.08, 2026

PTC-305/PTC-305T Firmware

- **Version: FW: V1.2.05/ARM: V7.0.79/AF: V3.5.92**
 - **File name: VX20DA_A10.D_V1.2.05_24M_20260812.img**

Issues

1. Fixed the compatibility issue for the Facebook streaming.
 2. Fixed the compatibility issue with the HBT-30.
 3. In Standby Mode, the fan will be turned off.
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Sept.11, 2025

PTC-305/PTC-305T Firmware

- **Version: FW: V1.1.86/ARM: V7.0.68/AF: V3.5.73**
 - **File name: VX20DA_A10.D_V1.1.86_24M_20250821.img**

Issues

1. Fixed the issue that It is possible that the garbled text will be shown on the OSD Menu.
 2. Added Conference Mode
 3. The Preset recalling speed of the Conference Mode is increased by 30%.
 4. Fixed the issue that Conference Mode settings may not take effect.
 5. Fixed the issue that the Tally Mode may not take effect.
 6. Fixed the RS-422 control issue.
 7. Fixed the issue that the camera's Auto-Tracking will lose the target.
 8. Fixed the abnormal video issue for the 12G SDI.
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Dec.10, 2024

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.65/ARM: V7.0.52/AF: V3.5.60**
 - **File name: VX20DA_A10.D_V1.1.65_24M_20241022img**

Issues

1. Improved and optimized "Auto Tracking" and "Auto Focus" performance.
2. Adjusted "PTZ speed" to 18 levels to comply with the "Protocol" definition.

Aug.29, 2024

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.60/ARM: V7.0.48/AF: V3.5.02**
 - **File name: VX20DA_A10.D_V1.1.60_24M_20240807.img**

Issues

1. Solve the HDMI plugging and unplugging stuttering problem. When in PAN mode, the screen will suddenly shake.
2. Solve the problem of the machine MAC Address being changed by using the DVIP tool and selecting Default.
3. Add new setting for setting the Auto Tracking starting default position. The query command is 81 09 7E 0A 04 4F 02 00 02 FF.
4. Add PID for PTC-305NDI.
5. Solve the problem of automatic tracking being turned on, people walking back and forth, and the screen being blurry.
6. NTP is enabled by default, no subtitles.
7. Solve the issue that resetting the IP (back to default IP) using the DVIP tool does not take effect.
8. Solve the problem of not being able to play the second RTSP stream using the RMC-300A keyboard.
9. If a USB stick is not inserted when performing a firmware upgrade in traditional Chinese, the OSD will display "Not mounted! Please insert the USB stick! or Turn off the USB upgrade switch. The message will change to: No USB stick detected! Please insert the USB stick! or Turn off the USB upgrade switch.
10. Solve the problem of the resolution returning to 1080P30 after updating the firmware and the OSD language returning to English.
11. Modify ONVIF certification information: Brand: Datavideo Technologies Co., Ltd. Model: PTC-305 (depending on the model)
12. Solution: When the Tally light mode is red/green, first issue a green light command, and then issue a red light command. light to give the command 81017E010A0002FF. At this time, the red and green lights will light up at the same time.
13. When the plug is modified, the tally light flashes in the following way: it flashes red during the self-test, then stops flashing and flashes green after the self-test is complete. It stops flashing only when the image appears.
14. The parameter of the image setting interface is changed to take effect automatically, and the application button is removed.
15. Customize the value of the character size from 50 to 80.
16. Modify the way the characters are positioned on the left and right.
17. For Traditional Chinese interface: Change AI automatic tracking to AT automatic tracking.
18. Solve the issue of the position of the settings frame being messed up when the computer's resolution

is 1280 or 1366.

19. Solve the issue of being unable to log in normally after zooming in on the web login page.

Jun.05, 2024

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.54/ARM: V7.0.44/AF: V3.5.02**

- **File name: VX20DA_A10.D_V1.1.54_24M_20240416.img**

Issues

1. Solved the issue of using DVIP tool, select Default machine and then MAC Address will be changed.
2. Added the setting for auto tracking start preset position, the query command is "81 09 7E 0A 04 4F 02 00 02 FF".
3. Added PID for PTC-305NDI.
4. Solved the problem of blurring the screen when auto-tracking is turned on and the character moves back and forth.
5. NTP is on by default, no overlapping of subtitles.
6. Solved the problem of using DVIP's software to reset the IP (back to default IP) does not work.
7. Solved the issue that the RTSP second stream cannot be played on the RMC-300A keyboard.
8. Changed the OSD reminder for doing the firmware update procedure in traditional Chinese OSD menu without inserting the USB flash drive from "No USB flash drive inserted or turn off the USB firmware update switch" to "No USB flash drive detected! Please insert the USB flash drive! Or turn off the USB firmware update switch".
9. Solved the problem that the resolution will go back to 1080P30 and the OSD language will go back to English after updating the Firmware.
10. Modified the ONVIF certificate information: Brand: Datavideo Technologies Co., Ltd. Model: PTC-305 (This depends on the model.)
11. Solved the problem that when the Tally lamp mode is red/green, the green lamp command is issued first, and then the red lamp command 81 01 7E 01 0A 0002 FF is issued, then the red and green lamps are lit at the same time.
12. Modified the way the Tally light blinks when it is plugged in: self-test blinks red, finish self-test blinks green, and stops blinking until the image appears soon.
13. Changed the image UI setting parameters to be effective automatically and the button for the application is removed.
14. Changed custom character size value from 50 to 80.
15. Modified the way the character's position is on the left and on the right.
16. Changed AI auto-tracking to AT auto-tracking in traditional Chinese.
17. Solved the problem that the position of the setup box is wrong when the resolution of the computer is

1280 or 1366.

18. Solved the problem of not being able to log in properly after zooming the WEB login page.

Jan.26, 2024

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.51/ARM: V7.0.42/AF: V3.4.99**
 - **File name: VX20DA_A10.D_V1.1.51_24M_20240113.img**

Issues

1. Fixed the issue that sometimes there is a rebooting issue after updating the firmware.
 2. Modified the control command of the Tally light, if the Tally Mode is set in Red/Green and the red Tally light is lit, when the camera is controlled to be lit in green, the red tally light will be turned off. If the green tally light is lit, when the camera is controlled to be lit in red, the green tally light will be turned off.
 3. Fixed the issue that the fast and slow commands for the auto-tracking are reversed.
 4. Added the tracking reminder, open Query Command Return Value 01.
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Dec.14, 2023

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.40/ARM: V7.0.38/AF: V3.4.86**
 - **File name: VX20DA_A10.D_V1.1.40_24M_20231129.img**

Issues

1. The PTC-305 series cameras including PTC-305, PTC-305T and PTC-305NDI are ONVIF certified.
2. Added ONVIF audio certification option (G711) for the Web UI.
3. Fixed the issue that the RTSP can be streamed even when the stream option in the Web UI is turned off.
4. Fixed the issue that when the resolution is changed and applied. After switching to the preview interface, the camera will reboot automatically.
5. Added the reminder on the top-left corner when the screen is frozen during the firmware update procedure through the Web UI.
6. Fixed the issue that when switching the encoding protocol in a real-time basis, the SRT stream can not be done and the camera must be rebooted to resume the SRT stream function.
7. Fixed the issue that when ONVIF is turned on, the no screen issue will happen when pulling stream by the ODM.
8. Fixed the issue that when the brightness is modified from the Web UI, the new setting can not be saved after rebooting the camera.
9. The virtual joystick function is optimized to add four direction buttons including up, down, left and right. The panning, tilting and zooming of the camera can be controlled by clicking those buttons.
10. Fixed the size of the auto-tracking human figure and there is no reminder for different genders.

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11. Fixed the no-picture issue for the MacOS.
 - 12 Fixed the stream interruption issue for the DVIP and long delay time issue when testing by the small tool.
 13. The initial preset positions for Web UI's auto-tracking is 1-254(except 90-99).
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Sept.22, 2023

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.39/ARM: V7.0.30/AF: V3.4.60**
 - **File name: VX20DA_A10.D_V1.1.39_24M_20230829**

Issues

1. Fixed the issue that the RTSP 1080 60FPS/10mbps/VER will become 30FPS when it is decoded by the VLC.
 2. Added dynamic image modification function for the Web UI.
 3. Fixed the issue that top-right corner icon will be shown as "UDP" when the streaming protocol is changed to Multicast.
 4. Fixed the issue that the Web UI's AF icon can not be shown.
 5. Improved the issue for the Traditional Chinese translation for the Web UI.
 6. Added the GMT+05:30 Time Zone.
 7. Improved the VISCA command abnormal issues for the default human frame and Auto-Tracking initial position.
 8. Removed the Zone-Tracking Mode from the OSD Menu.
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Jun.15, 2023

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.35/ARM: V7.0.24/AF: V3.4.42**
 - **File name: VX20DA_A10.D_V1.1.35_24M_20230525**

Issues

1. Fixed the issue that the device can not be controlled when switching the Black & White mode by the VISCA over IP Commands.
2. Fixed the issue that the Language of the web UI will still be Simplified Chinese after switching to another language and rebooting.
3. Fixed the issue that it is useless to set the audio input type from the Web UI, and the audio input type will be resumed to the one before modifying after rebooting.
4. The NDIHX2 option is added to the default value of NDI.
5. Added the Manual Exposure Mode for DVIP(422). When you adjust the aperture value, it will link to the Gain value.
6. The VISCA Commands for switching between "Full Body", "Half Body" and "Close-UP" are supported by the RS-422.
7. Fixed the issue that the zoom blur issue will be caused for the second half of the zooming for AF 50p/60p.
8. Fixed the issue that the PTC-305 image will be filled with noises at the same Exposure settings such as

“F11, 1/60, GAIN: 22”.

9. Added the corresponding shutter values for 50Hz/60Hz.
10. Fixed the issue that the adjustment does not work for the IRIS F2.8, F2.4, F2.0 and F1.8.
11. The Russian option is eliminated from the OSD Menu.
12. Improved the Auto-Tracking efficacy.

May.11, 2023

PTC-305/PTC-305T/PTC-305NDI Firmware

- **Version: FW: V1.1.29/ARM: V7.0.21/AF: V3.4.17**
 - **File name: VX20DA_A10.D_V1.1.29_24M_20230418.img**

Issues

1. This version is conditionally recognized.
 2. Improved the auto-tracking Out of Focus issue.
 3. Fixed the issue of wrong reminding language when upgrading the firmware.
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