



Intel® RealSense™ Depth Camera Manager (DCM) 1.5

Release Notes

October 2020

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Revision History

Description	Revision Date
DCM 1.5.98.25275	October 2020

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1 Preface

This document is an update to the release of the Intel® RealSense™ Depth Camera Manager.

This document may also contain information that was not previously published.

The Intel® RealSense™ Depth Camera Manager (DCM) system is intended to expose interface to streaming video from a depth camera, for both color and depth.

1.1 Components

Component	Details
Intel® RealSense™ Depth Camera Manager Service	The camera service is a Microsoft* Windows* based service that runs on the client machine. The camera service allows multiple Intel RealSense SDK applications and a single non SDK application to access data from the camera simultaneously, without blocking each other.
Intel® RealSense™ 3D Camera Virtual Driver	The camera virtual driver is a Microsoft Windows based AVStream driver that runs on the client machine. The camera virtual driver allows non-SDK application to access camera streams as if they are connecting directly to the camera and without blocking other SDK applications.

1.2 Hardware Requirements

- 4th generation Intel® Core™ processor
- 150 MB free hard disk space, 4GB RAM
- Intel® RealSense™ F200 3D Camera
- A free USB 3 port for the Intel® RealSense™ 3D Camera, or a dedicated connection for integrated camera.

IMPORTANT NOTE: To support the bandwidth needed by the camera, a USB3 interface is required. This interface must be connected to a dedicated USB3 port within the client system (do not use a hub).

1.3 Installation

- Remove Intel® RealSense™ Depth Camera Manager from Programs and Features if it is present on the system and reboot the system
- Option #1 – Install via .EXE installer
- Option #2 – Install via .INF installer



2 Summary Table of Changes

Table 2-1. Resolved/Known Issues Summary Table

Number	Status	Description
N/A	Known Limitation	In case DCM is already installed, it is required to uninstall the existing version first and then install the new one
N/A	Fixed in DCM 1.4 HF3-WU2	Fix a bug for iSource providers registry key handling
N/A	Fixed in DCM 1.4 HF3-WU2	Fix for bug removing iSource provider's registry key at package uninstallation or upgrade.
N/A	Fixed in DCM 1.4 HF3-WU2	Fix for R200 and F200 DCMs coexistence
N/A	Fixed in DCM 1.4 HF3-WU2	Additional iSource provider bug fixes
N/A	Known Limitation	Image rotations isn't supported for DirectShow application Image rotations is supported for applications that are written over MF
N/A	Windows Limitation	Camera isn't detected when switching peripheral cameras Restart the DCM service
N/A	Known Limitation	If the Metro Camera app open and using the F200 camera and suspends/hibernates the machine, occasionally upon resume the camera image will not return automatically. Work around, close the Camera application and restart it, or switch cameras. Close the Camera application and restart it, or switch cameras
N/A	Known Limitation	SDK applications are not working when an application tries to connect to one of the following cameras: Intel(R) RealSense(TM) 3D Camera (Front F200) Depth Intel(R) RealSense(TM) 3D Camera (Front F200) RGB Using either of the physical cameras can block SDK applications Connect applications to the Intel® RealSense™ 3D Camera Virtual driver instead
N/A	Known Limitation	Sporadic streaming failures on return from hibernate both over virtual driver and for SDK apps. Restart the application. If this does not resolve the issue, restart the Intel Depth Camera manager service
N/A	Known Limitation	UVMMap is cut off in HVGA and QVGA Resolutions Do not use UVMMap when the camera is configured to HVGA and QVGA modes
N/A	Known Limitation	Uninstalling DCM while SDK applications are streaming may cause application to crash. Close all SDK applications before uninstalling DCM.
N/A	Known Limitation	Camera power management does not work when the application is switching to battery mode before streaming Application should switch to power management battery mode only after receiving the first frame

Summary Table of Changes

Number	Status	Description
N/A	Known Limitation	DCM hangs when application crashes while Windows crash dialog appears Close the dialog message box
N/A	Known Limitation	Some users may get the error that DCM installation cannot continue since there is no free disk space when really there is enough space. Remove manually file file C:\Program Files (x86)\Intel\RSDCM and try performing installation again. Or run installer in silent mode
N/A	Known Limitation	"Intel(R) RealSense(TM) 3D Camera Virtual Driver" is not restored after reset machine to factory default. DCM should be reinstalled.
N/A	Known Limitation	Restart of DCM service while the SensorDataService is running causes MSFT's Sensor Data Service to crash when the SensorDataService Stops No work around needed SensorDataService will recover automatically and next start will succeed. Fix will be available in future release.
N/A	Known Limitation	Camera led stays on after trying to stream via service while streaming via MF with IVCAM's Depth device Restart Intel® real sense DCM Service
N/A	Known Limitation	Windows Hello wake up after hibernate might take up to 6 seconds.
N/A	Known Limitation	Text related to DCM Windows Update package displayed in Windows->Settings->Update is English only No localization available at this time for this driver
N/A	Known Limitation	If Windows Update package was installed on top of DCM version with same version. DCM may stop streaming. Restart the RealSenseDCM service or reboot the system.
N/A	Known Limitation	Windows system restore process leaves DCM partly installed. Install a DCM package (WU or standard installer) which is same version or newer than the package installed before.
N/A	Known Limitation	If DCM WU package installation fails, Depth device driver might be installed however DCM is not. In this scenario Windows update for the driver will not be triggered again. Uninstall Intel® RealSense™ 3D Camera (Front F200) Depth device from device manager and rescan for hardware changes, DCM installation should restart.
N/A	Known Limitation	When upgrading/reinstalling the DCM or Depth device driver on a system with Windows Hello configured, Windows Hello might temporary stop working. Face login option will be automatically restored in 5-20 min or reboot the system for faster recovery.

Table 2-2. New Features in This Release

Number	Feature
N/A	Installer Will block downgrade to a lower DCM version