



ibaCapture v5.2.0

New Features

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iba AG

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1 General remarks

1.1 Supported Windows Operating Systems

For **Windows Server 2008 R2 (x64)** and **Windows 7 (x86/x64)** the Support period ended on Jan 14, 2020. Since then, Microsoft has not provided any security updates and ibaCapture v5.2.0 and higher no longer supports these two operating systems.

Windows Server 2012 (x64) is also no longer supported.

The following operating systems are currently supported:

- Windows 8.1 (x86/x64)
- Windows 10 (x86/x64)
- Windows 11 (x64)
- Windows Server 2012 R2 (x64)
- Windows Server 2016 (x64)
- Windows Server 2019 (x64)
- Windows Server 2022 (x64)

1.2 Dependency changes

- The ffdshow codecs are no longer installed together with ibaCapture. ibaCapture has been using LAVFilters as its default decoder since v4.3.3 and installed the ffdshow codecs only as a fallback option. **To continue using ffdshow, users will now have to install ffdshow manually. When updating from an earlier ibaCapture version (i.e., < v5.2.0), ffdshow will most likely already be installed.**
- Intel Quick Sync encoding now uses the Intel oneVPL 2022.1 library, instead of Intel Media SDK. This means that **Intel Quick Sync is no longer supported on 32-Bit systems and on systems running an OS older than Windows 10.**

1.3 Deprecated features

In a future version of ibaCapture, support for GigE cameras through the Matrox Imaging Library (MIL lite v10) will be dropped.

Starting with ibaCapture v5.2.0, warning messages about this will be shown if a camera is still configured using MIL lite v10.

To keep ibaCapture Server instances up-to-date in such cases, we recommend switching to Pleora eBUS as GigE-SDK to keep working with affected cameras. As there are different possible configurations to consider, please contact your local iba sales office to create an individual migration plan for each affected system.

1.4 Unsupported features

ibaCapture v5.2.0 no longer supports Cossilys server and ibaCapture Manager will not be able to connect to instances of ibaCapture-CAM v1/v2.

ibaCapture Server can still import Cossilys server configurations when upgrading and ibaAnalyzer (32-bit) is still able to replay exported Cossilys video files embedded in DAT files.

2 Installer and command line options

ibaCapture v5.2.0 uses a new installation framework. Due to this change, the previously known commandline options for the installer will no longer work.

To run a silent installation without a user interaction with the new installer the following command line switches must be used:

Switch	Function
/SILENT	Silent installation without user interaction (equivalent to pressing the button on every page without changes)
/COMPONENTS="\$component1,\$component2,..."	<p>Allows to specify components to be installed in silent mode. Currently supported components are:</p> <p><i>ibaCaptureManager</i> <i>ibaCaptureServer</i> <i>ibaCaptureEncoder</i> <i>ibaManagementStudioAgent</i></p> <p>The ibaCapture Player is always installed and does not need to be specified.</p> <p>Example:</p> <p><i>/COMPONENTS="ibaCaptureManager,ibaCaptureServer"</i></p>

3 Interaction permission in ibaPDA

Interaction permissions in the ibaPDA user management system now also apply to ibaCapture camera views.

User management

ibaPDA user management is enabled. You can change user rights and create and remove users.

Current user

ibaPDA (IBA-FUE-NOTE615)

Local users

admin

user

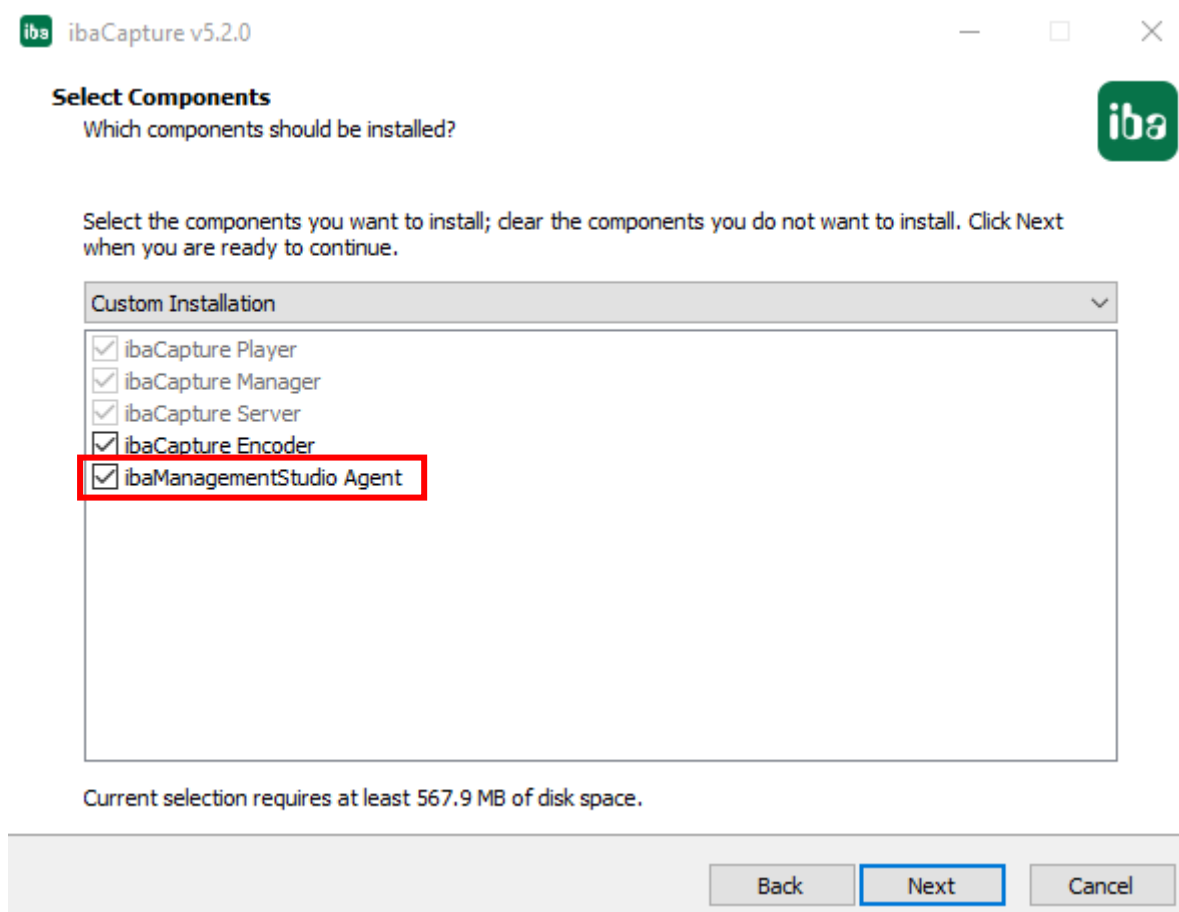
Domain users

Description	User rights
<input type="checkbox"/> ibaPDA server rights	
User administration	Denied
Stop acquisition	Granted
Apply new I/O configuration	Granted
Change locked modules	Granted
Apply new data storage configuration	Granted
Change locked data stores	Granted
Disconnect other user	Denied
<input type="checkbox"/> ibaPDA client rights	
Change password	Granted
Change server	Granted
Close client	Granted
Resize client	Granted
Use menu and toolbar	Granted
Interact with views	Denied
Change layout	Granted

When interaction permissions are disabled for a user, they will not be able to change any settings in the view or control zooming or panning of the camera. The camera view toolbar will be greyed out and not interactable.

4 Integration with ibaManagementStudio

ibaManagementStudio is a new iba product that provides a central overview of all iba systems on a company wide network. With v5.2.0, ibaCapture is now supported by ibaManagementStudio. To make use of this, the ibaManagementStudio Agent needs to be selected when installing ibaCapture.



ibaManagementStudio v1.1 supports the display of service status, license information, camera acquisition status and ibaCapture server connections of all ibaCapture servers on the network. For example:

Camera Name	Type	Acquisition Status	Resolution	Encoding	Frame rate	Bit rate	Recording Continuous	Protected
Camera 1	RTSP	Running	640x480	H.265	25.0 fps	89.56 kbit/s	1.7 hours	0.0 hours

5 Hiding cameras from ibaPDA via signal assignment

Cameras can now be made invisible to ibaPDA by assigning them a signal ID of 64 or higher. In ibaCapture Manager, signals in the assignment grid with IDs of 64 or higher have a red outline. In addition, a warning label is shown.

Port on which control messages from ibaPDA are received:

Network protocol used to send synchronization data to ibaPDA: ☐ TCP ☒ UDP

ibaPDA signal assignment:

Cameras assigned to signal IDs greater than or equal to 64 will be invisible to ibaPDA

Signal ID	Camera name
27	
28	
29	
30	

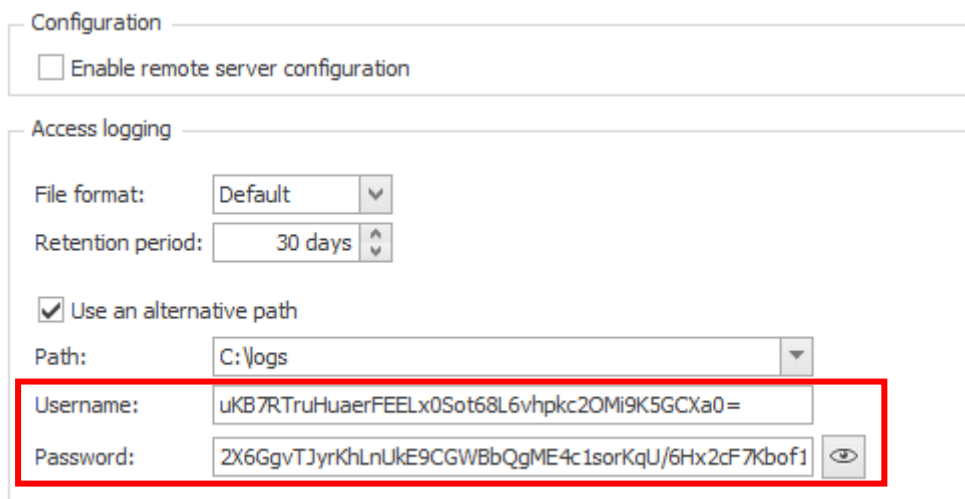
~

62	
63	
64	Camera 1

6 Encryption of saved credentials

To improve security, ibaCapture 5.2.0 now saves all credentials in an AES-256 encrypted form. This means that configurations created with ibaCapture 5.2.0 or newer are no longer fully backwards compatible with older versions.

NOTE: If attempted to load these new configurations with older ibaCapture versions, the usernames and passwords will be garbled and will need to be re-entered. Example:



The screenshot displays the 'Configuration' and 'Access logging' sections of the ibaCapture interface. The 'Access logging' section includes a 'File format' dropdown set to 'Default', a 'Retention period' spinner set to '30 days', and a checked checkbox for 'Use an alternative path'. Below this, the 'Path' is set to 'C:\logs'. A red rectangular box highlights the 'Username' and 'Password' fields, which contain garbled, encrypted text. The 'Username' field shows 'uKB7RTruHuaerFEELx0Sot68L6vhpkc2OMi9K5GCXa0=' and the 'Password' field shows '2X6GgvTJyrKhLnUkE9CGWBbQgME4c1sorKqU/6Hx2cF7Kbof1'. An eye icon is visible to the right of the password field.

Configuration

☐ Enable remote server configuration

Access logging

File format: Default

Retention period: 30 days

☒ Use an alternative path

Path: C:\logs

Username: uKB7RTruHuaerFEELx0Sot68L6vhpkc2OMi9K5GCXa0=

Password: 2X6GgvTJyrKhLnUkE9CGWBbQgME4c1sorKqU/6Hx2cF7Kbof1