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Divar XF Control Center, Configuration Tool and Archive Player software release notes

Version 2.56

This release includes the following improvements:

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A) Installation requirements

The Divar XF PC applications require the following minimum configuration:

- Processor: Intel Pentium DualCore, 3.0 GHz or comparable
- RAM memory: 2048 MB
- Free hard disk space: 10 GB
- Graphics card: NVIDIA GeForce 8600 or higher
- Network interface: 10/100-BaseT
- Operating System: Windows XP (Service Pack 2) or Windows Vista (Service Pack 2)

B) This release includes the following new features and improvements:

1. Fix for viewing Divar-2 channels with long camera names
Control Center Version 2.50 could not display Divar-2 channels with a camera name of 16 characters (the maximum that can be configured). An error message would be displayed and the Control Center application would close. This problem has now been fixed.
2. Support for Divar-2
The Control Center is now able to fully control and manage Divar XF and Divar-2 recorders. Make sure that the Divar-2 firmware is upgraded to version 2.36 or later.
3. Japanese language support
Japanese has been added to the list of supported languages. The Divar Control Center is now available in 18 languages.
A problem causing login failures has been fixed.
4. Full unicode support

The Control Center, Archive Player and Configuration tool now support unicode, which solves cross language limitations of previous versions.

C) This release includes the following known limitations:

1. Stepping mode only available in single screen mode on Divar-2
Due to performance limitations on Divar-2, stepping mode is only available when viewing a single camera image (single screen mode). In multi screen mode the stepping buttons will be disabled.
2. Stepping mode sometimes does not start on Divar-2
In some cases stepping forward or backward does not start when the step forward or step backward button is pressed. This can be solved by stepping in the other direction a few times before stepping in the desired direction.
3. Configuration Tool for Divar Classic not installed when installing the Divar Control Center version 2.5.
For remote configuration of a Divar-2 recorder, the Divar-2 Configuration Tool should be installed manually. This can be done prior or after installing the Divar Control Center. When the Divar-2 Configuration Tool is installed, Divar Control Center will start the Divar-2 Configuration Tool automatically (when attempting to configure a Divar-2 via the Divar Control Center).
4. Due to the highly graphical nature of the PC application suite, in particular Control Center and Archive Player, a PC can run low on available (video) resources. This can hamper video/audio streaming and slow (or stop) the response of the application. If the application becomes unresponsive, start up the Windows Task Manager (press CTRL+ALT+DELETE) and close down the application.

To ensure proper functioning of the PC application suite, make sure that:
 - The recommended PC requirements are met
 - The latest graphics card drivers are downloaded and installed
 - The DirectX version is up to date
 - Sufficient network bandwidth is available
To limit the required PC performance, the following measures can be taken:
 - View only a limited amount of channels simultaneously e.g. do not use the 3x3 and 4x4 mode.
 - Close down other applications while running the Divar XF software
 - Run only one Divar XF application at a time
 - Use a single monitor display and limit the output resolution of the graphics card to 1024x768 pixels
5. Divar XF Control Center running on Vista/Aero with high frequency multi-screen switching actions can result in not responding of the Control Center. To avoid this we advice to select the "Windows Classic" theme to limit the heavy graphical activities.
6. False motion in bottom video line
Due to small jittering in the bottom video line from a camera, false motion can be generated if the motion detection area is drawn on the far bottom of the video image. In this case the

motion indicator will show a high level of motion, while it looks like there is no motion present in the video image. If this occurs, avoid drawing a motion area reaching the far bottom line of the video image.

7. Limited support for Bosch NBC-255-P camera

Divar XF is compatible with the NBC-255-P IP camera with the following limitations:

- The NBC-255-P camera has a “Maximum Frame Rate” setting. The value for this setting must be manually set to 25 IPS in case of a PAL installation and 30 IPS in case of an NTSC installation.
- To ensure trouble-free operation, don’t change any of the encoder settings in the NBC-255-P camera after a connection has been established between Divar XF and the camera.
- It is currently not possible to record the audio channel of the NBC-255P camera on a Divar XF.
- Since the NBC-255-P supports VGA and QVGA, setting 4CIF or 2CIF as recording resolution will result in a VGA image. Setting CIF as recording resolution will result in a QVGA image
- Always set the recording frame rate to 25/30 IPS (in PAL/NTSC), as the NBC-255-P camera does not support programming of other frame rates. Note that this limitation could be solved in a later firmware release of the NBC-255-P camera.
- The following settings table indicates the recording settings and resulting image and bitrate.

Frame rate setting	Recording quality setting	Recording resolution setting	Resulting Image resolution	Resulting Bitrate (indication)
25/30 IPS	High	4CIF	VGA	2.2Mbps
25/30 IPS	Medium	4CIF	VGA	1.4Mbps
25/30 IPS	Standard	4CIF	VGA	0.5Mbps
25/30 IPS	High	2CIF	VGA	1.4Mbps
25/30 IPS	Medium	2CIF	VGA	0.9Mbps
25/30 IPS	Standard	2CIF	VGA	0.3Mbps
25/30 IPS	High	CIF	QVGA	1.0Mbps
25/30 IPS	Medium	CIF	QVGA	0.6Mbps
25/30 IPS	Standard	CIF	QVGA	0.2Mbps