

DIGIOP 7.5 RELEASE NOTES

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SYSTEM REQUIREMENTS

NOTE: The DIGIOP part number for the Recovery Software is R-DI750606 and the DIGIOP part number for the Remote Management Software is A-DI750606.

SERVER SOFTWARE MINIMUM REQUIREMENTS

If using the Server Software update, make sure the server meets these requirements.

CPU	1.60GHz+ Intel® Pentium Dual Core or Celeron 420, 1.86 GHz+ Core 2 Duo, 2.8 GHz+ Pentium D, and 3.06 GHz+ Celeron
Memory	1024 MB+
Video Memory	128 MB+ (1024 x 768 32 Bit)
OS	Microsoft® Windows® XP Professional and Embedded with SP2
System Platform	DIGIOP G3 (only)

MOTHERBOARDS SUPPORTED

Dell	Dell Optiplex GX760 Desktop Dell Optiplex GX755 Desktop Dell Optiplex GX745 Desktop Dell Optiplex GX745 Tower Dell Precision T3400 Workstation
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REMOTE MANAGEMENT MINIMUM REQUIREMENTS

S-CLASS, MINIMUM REQUIREMENTS

CPU	2.0GHz+ (Celeron/P4/AMD)
Memory	512MB
Video Memory	32MB+ (1024 x 768 32 Bit) Support Direct Draw and GDI Direct X 8.1+
Disk Space	300 MB+
LAN	10/100/1000 Network
OS	Microsoft Windows 2000 with SP4 or XP Home or Pro with SP2

H-CLASS, MINIMUM REQUIREMENTS

CPU	3.0GHz+ (Celeron/P4/AMD)
Memory	1024MB
Video Memory	128MB+ (1024 x 768 32 Bit) Support Direct Draw and GDI Direct X 9.0+
Disk Space	300MB+
LAN	10/100/1000 Network
OS	Microsoft Windows 2000 with SP4 or Windows XP Home or Windows XP Pro with SP2

NOTE: Results may vary if using NVIDIA® RIVA TNT2™ and SiS Video Chipsets.

SOFTWARE PREREQUISITES

If using the Software update, these additional prerequisites must be installed:

Windows Installer 3.11
 .Net Framework 2.0
 Windows IIS (Internet Information Service)

RELEASE HISTORY – DIGIOP SERVER	
VERSION	DATE
7.4.0.0910	09/20/2008
7.5.0.0606	01/30/2009

PRODUCT / SOFTWARE COMPATIBILITY

TABLE 1 DIGIOP PRODUCT and SOFTWARE COMPATIBILITY

7.5 Software	DIGIOP DVR Models						
	S30-4	S60-8	S120-16	S480-16	S240-32	H480-D1-16	H960-2CIF-32
Server	Y	Y	Y	Y	Y	Y	Y
Remote Manager	Y	Y	Y	Y	Y	Y	Y
Remote Backup	Y	Y	Y	Y	Y	Y	Y
Remote Configuration	Y	Y	Y	Y	Y	Y	Y

The following table lists cameras and firmware versions used by DIGIOP for testing and/or other conditions of operation. Before proceeding, we suggest that you read these notes carefully and contact your DIGIOP representative if you have any questions about a product's compatibility.

TABLE 3 CAMERA COMPABILITY CHARTS							
	Function						
Camera Name	Video CODEC	Audio CODEC	Record On Motion	Audio	PTZ	Sensor/Relay	DRS
DIGIOP Encoder	MPEG4	ADPCM	Y	Y	Y	N	Y
DIGIOP Truepix	MPEG4	G.711	Y	Y	Y	Y	Y
DIGIOPMIDLINE	MPEG4	N/A	Y	N	N	N	Y
AXIS	MPEG4	G.711	Y	Y	Y	Y	Y
ACTi	MPEG4	N/A	Y	N	Y	Y	Y
Canon	MJPEG	G.711 (Mu-law)	N	N	Y	Y	
Sony	MPEG4	G.726 (16 kbps)	N	Y	Y	N	N
D-Link	MPEG4 MJPEG	-	Y	N	Y	Y	Y
Arecont (Megapixel camera)	MJPEG	-	Y	N	N	N	Y
ACTi Megapixel	MPEG4	-	Y	Y	N	N	N
IQeye	MJPEG	-	Y	N	N	N	N
Vivotek	MPEG4 MJPEG	-	Y	Y	Y	N	N
Panasonic	MJPEG	N/A	Y	N	N	N	Y
Sanyo	MJPEG	N/A	Y	N	N	N	Y
StarDot	MJPEG	N/A	Y	N	N	N	Y
Toshiba	MJPEG	N/A	N	N	N	N	N
Bosch	MPEG4 MJPEG	-	Y	N	N	N	N

NEW FEATURES IMPLEMENTED IN 7.5.0.0606

- Version 7.5 DVRs are now shipping with Windows XP Pro.
- System partition (C:\ drive) has been increased from 2GB to 32GB on all new systems. See limitations for additional details concerning existing DVRs.
- New IP camera support: Axis MJPEG (Axis 206), Midline MJPEG, Sony MJPEG, StarDot MegaPixel SC 1.3 and 5.0 cameras, Panasonic WV-NW484.
- Per-camera Scene Loss Detection feature on DIGIOP Server & Scene Loss Remote event Notification option.
- A new remote support tool (GoToAssist) is included on new systems.
- S960 capture card support added for future release.
- Default accounts on DIGIOP Server have been changed to 'admin'/'admin' and 'manager'/'manager'.
- Reduced DIGIOP Server launch time.
- After performing an upgrade DIGIOP will not require a reboot.
- Advanced Backup included in the DIGIOP server (Tools menu) and Remote Manager.
- The watchdog timer on the server is now set to 45 minutes for S30, S60, S120, H480, and H960 DVRs.
- Two-way Audio backward compatibility.
- Feature to turn on/off the display of the motion detected zones for IP cameras.
- Audio support for Vivotek MPEG4 cameras.
- ACTi IP Camera PTZ support has been added.
- Motion detection sensitivity support for Arecont IP camera.
- Added de-interlacing functionality to improve local live video display for D1/4CIF video within DIGIOP Server on non-real time S-Class recorders.
- DIGIOP Server can run as an NVR on the Dell R300 platform (with no physical capture card required for future release)

ISSUES FIXED IN 7.5.0.0606

FIXES IN THE DIGIOP RECORDER

1. DIGIOP crash with Acti MegaPixel cameras when recording 1 FPS with 'Constant frame rate'
2. Corrected dynamic resolution change in Arecont cameras.
3. Configure/System tab Export and then import, after the system restart, channels 17-32 were going to off state until the schedule tab was checked.
4. Analog Camera were displaying in the wrong channel, if an IP camera is defined on the previous channel.
5. False video loss alarm on S-Class DVR

FIXES IN THE REMOTE MANAGER

1. Showing "Password is incorrect or stream is corrupted" when connected to a DVR recording 2CIF in PAL mode.
2. European Remote Manager was showing the option 'Save as mpeg' option in the RM. While this should be disabled.
3. ACTi MegaPixel video was causing Remote Manager to crash in single-view full screen mode.

LIMITATIONS

1. Existing DVRs (pre-7.5 software) make use of a 2GB System (C:\) partition. The new 7.5 image uses a larger 32GB System partition. An upgrade of a pre-7.5 system via the Recovery Media to version 7.5 will cause any existing video to be lost in the recovery process. Additionally, the 7.5 software image uses Windows XP Pro.

There are several ways to handle this transition:

- a. Use the 7.5 Recovery DVD to upgrade to 7.5 (make sure to apply a Windows Vista Business or XP Professional License when performing this on pre-dating systems)
 - i. Loss of existing video files? YES
 - ii. C:\ partition increased to 32GB? YES
 - iii. Operating system moved to XP Pro? YES
 - b. Obtain a DIGIOP Server 7.5 installer from Technical Support, and perform an upgrade.
 - i. Loss of existing video files? NO
 - ii. C:\ partition increased to 32GB? NO
 - iii. Operating system moved to XP Pro? NO
 - c. Export any needed video to another location. Perform the 7.5 recovery.
 - i. Loss of existing video files? NO
 - ii. C:\ partition increased to 32GB? YES
 - iii. Operating system moved to XP Pro? YES
2. Scene Loss Detection feature does NOT work within H Class systems.

IP Device Limitations:

1. When using the Canon and D-Link PTZ take a small pause between two successive commands or actions. Otherwise all the actions are buffered and react slower than expected.
2. If using auto search for IP cameras feature you may experience the same brand of camera being discovered under the same name. For example, if the user searches for Canon VB-C50iR models, there is a possibility that other Canon models will be found and listed as the same name, if present in the same network.

KNOWN ISSUES

1. If DTM is installed as an upgrade with DIGIOP Server version 7.5 can cause system instability. Contact Customer Care for instructions on how to resolve.
2. DIGIOP 7.5 Server cannot be upgraded remotely due to the size of the installer relative to the amount of free space on the DVR's hard drive.
3. PAL doesn't provide the best performance with S240-16 channel cards.
4. Resolution and FPS changes for D-Link cameras made from DIGIOP Server may not take effect.
5. Scene loss does not function for Sensor-mode video channels.
6. Watch Mode is not designed to work with IP Cameras.
7. Security Screen Mode is not designed to work with IP Cameras.
8. Before Canon camera FPS changes made from DIGIOP Server do NOT take effect until recording is paused and started.