



From STVC/PRM	Product Management STVC	Telephone +49 911 93456 0	Nuremberg 29.11.2010
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Release Letter

Product:	<i>Bosch IP Storage Appliance</i>
Model:	<i>DLA-AIOU0-04AT, DLA-AIOL0-04AT, DLA-AIOL1-08AT</i>

This letter contains the latest information on the DLA IP storage appliance systems.

Important Note: Detailed information, such as data sheets and user manuals, are available on the Bosch web site www.boschsecurity.com under Product Catalog > CCTV > Digital Recording and Storage > Disk Arrays (Network Attached).

1. General

The Bosch IP Video Storage Appliances are affordable, simple and reliable all-in-one recording management solutions for network surveillance systems. All models are preconfigured with a default IP address and with default iSCSI settings. Powered by Bosch VRM (Video Recording Manager) software, the DLA Series is an intelligent IP storage device that eliminates the need for separate NVR (Network Video Recorder) server and storage hardware.

The DLA Series are not intended to be used in environments with high requirements for reliability and availability. For such environments Bosch offers the DSA Series.

2. Features

The Bosch DLA disk arrays are based on Microsoft Storage Server 2008 operating system with the Bosch VRM recording solution being pre-installed and pre-licensed:

- All-in-one recording solution
 - 1200 Series: 32 channel license; can be expanded with another 32 channel license
 - 1400 Series: 64 channel license; can be expanded with another 64 channel license
- Pre-installed, pre-configured IP storage solution
- Hardware RAID-5 protection for the 1400 Series
- Dedicated storage operating system delivers robust, secure operation

3. Restrictions; Known Issues

- VRM Service
 - When booting the IP Storage Appliance a network cable must be connected. Otherwise in very rare situations the VRM Service restarts several times before running in normal operating mode.
- Divar 700
 - The 1400 Series does not support Divar 700 systems. The 1200 IP Storage Systems can be used with Divar 700.



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- RAID Setup
 - 1200 Series: The 1200 Series is shipped without RAID protection. We strongly recommend **not** changing the RAID settings in the OS storage configuration because the available software RAID protection will affect the performance and the recording data rate.
 - 1400 Series: The 1400 Series is shipped with hardware RAID-5 protection. The RAID setup must only be modified by certified and trained support personnel. Changing the RAID settings might have a serious impact on the proper functionality of the system.
- SuperoDoctor III
 - The monitoring tool “SuperoDoctor III” sometimes does not show the correct fan speed or system temperature. Re-installation of the application “SuperoDoctor III” will fix this issue.

4. Installation Notes

Additionally to the VRM Server the following programs are pre-installed on the system:

- Storage Manager
 - Monitoring utility for hard drives and RAID Controller
- SuperoDoctor III
 - Monitoring utility for system status (e.g. fan, temperature) User “ADMIN”, Password “ADMIN”
- VRM Configurator
 - The VRM configuration utility is pre-installed; the Installer for the program “VRM Configurator” is stored in the directory “C:\Bosch\Resources”

The VRM licence is a dedicated licence for the storage appliances and cannot be expanded with a standard VRM upgrade licence.

The storage appliances might also be used as regular iSCSI disk arrays for environments with low to medium requirements for reliability and availability. The VRM Service might be easily disabled by using the Bosch VRM Appliance Manager.

5. Configuration Notes

The systems are pre-installed and pre-configured and typically do not need reconfiguration as they are optimized for use with VRM. If adjustments due to whatever reasons have to be made to the default iSCSI settings only an experienced storage administrator should make changes to these settings. The configuration of the storage appliances is described in the Bosch 1200 and 1400 Series iSCSI Disk Arrays Software Manual.

6. Models and Components

- Hardware
 - DLA-AIOU0-04AT – 1200 Series IP Video Storage Appliance 4x 1TB
 - DLA-AIOL0-04AT – 1400 Series IP Video Storage Array 4x 1TB
 - DLA-AIOL1-08AT – 1400 Series IP Video Storage Array 8x 1TB



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- Operating System
 - Microsoft Windows Storage Server 2008 (64-bit)
 - Microsoft iSCSI Target 3.2
- VRM
 - VRM Server 2.11
 - Feature set as in VRM 2.10.0039 (s. respective Release Letter) plus IP Storage Appliance specific licensing
 - VRM Configurator 2.11.12