

Statement

Issue: KGuard DVR vs WD Green HDD

After intensive tests made by Kguard Support Team, we would like to say that you might meet the following situations while using a WD Green HDD:

- I. Unable to detect HDD
- II. Unable to record
- III. Keeps showing HDD unformatted

According to the information at WD official website and checked by Kguard RD Dept. we consider following 2 traits can cause DVR failure:

- 1. Log issue*
- 2. Auto-Parking function**

For more details, please refer to: http://wdc.custhelp.com/app/answers/detail/a_id/5357

*Log (load-unload): Some utilities, operating systems, and applications, such as some implementations of Linux, for example, are not optimized for low power storage devices and can cause WD HDD to wake up at a higher rate than normal. This can negatively impact some of the power savings associated with WD Green Power drives and artificially increases the number of load-unload cycles.

**Auto-parking: WD drives are designed to reduce power consumption, in part by positioning the heads in a park position (unloading the heads) and turning off unnecessary electronics, resulting in substantial power savings.

Analysis:

- I. When DVR “Motion Detection” is enabled, individual Log files are emerged according to its frequency causing overload.
- II. DVR is a product requested able to record anytime. However, WD Green HDD introduced as environment friendly product with auto-parking function doesn't support nonstop function.

Conclusion: We suggest you consider specific models when picking HDD for your DVR.

Following listed models provide auto-parking function:

WD20EADS, WD20EARS, WD15EADS, WD15EARS, WD10EADS, WD10EARS, WD8000AARS, WD7500AADS, WD7500AARS, WD6400AADS, WD6400AARS, WD5000AADS, WD5000AARS