

May 2, 2011

PMW-500 Ver.1.1 Release Notes

Please see the following notes regarding version 1.10 firmware for the PMW-500 camcorder. The previous firmware revision of the PMW-500 was V1.01.

New Optional Features Available for the PMW-500

1. The following new features will be enabled in the PMW-500 when the CBK-HD02 option is installed in the PMW-500 running version 1.10 firmware:
 - The digital extender feature will be activated if the CBK-HD02 option is installed
 - The HDCA-702 MPEG TS camera adaptor can be used with the PMW-500 if the CBK-HD02 option is installed
 - The external video input recording capability of the PMW-500 will be activated when the CBK-HD02 option is installed. The SDI In connector will be able to accept SD or HD-SDI video with embedded audio to record to memory. The Genlock In connector can be configured to record composite video to memory.
2. The PMW-500 will accept the Sony USB Wi-Fi Adaptor (note: both the CBK-UPG01 and CBK-WA01 options are required to add Wi-Fi capability to the PMW-500)

New Standard Features Added to the PMW-500

1. The 26-pin viewfinder connection on the PMW-500 is now active. This will enable a new color viewfinder option, the CBK-VF01 viewfinder to be utilized. This viewfinder is currently bundled with the PMW-320 and PMW-350 camcorders. A future product announcement about the availability of the CBK-VF01 as a standalone product will be forthcoming in the summer of 2011.
 - Histogram, Brightness Level, and Depth of Field indicator – these indicators are only viewable on the LCD if you are using a HDVF viewfinder (you cannot see these indicators on a viewfinder connected to the 20-pin HDVF viewfinder interface). You can only see these new indicators on viewfinders connected to the 26-pin interface (i.e. if you attach the viewfinder which comes bundled with the PMW-320 / PMW-350 at the time of this writing).
2. The resolution of the image viewed in the HDVF viewfinder is improved.
3. "Live & Play" function is available.
4. User menu and User file functions are available

5. Shot Display function is added
 - Various information (i.e. date, camera model, as well as one user defined line of text called Shot ID) can be superimposed over video when camera is set to output color bars from its signal generator.
6. Set clip flags (OK/NG/KEEP) from an assignable switch (UDF mode)
 - Note: if you are shooting in FAT-32, you should assign the “OK Mark” to an assignable switch rather than one of the clip flag functions.
 - In the optical disc XDCAM format mode (UDF / MXF), setting the clip flag just switches a metadata value to one of the following settings: <none>, OK, NG, or Keep, but does not change the read/write status of the clip. There is a separate function to write protect clips.
 - In the XDCAM EX format mode (FAT / .MP4/.AVI), the OK Mark function in XDCAM EX camcorders changes the read/write status of the clip so it is write protected.
7. Indication of clip name with user-specified prefix (MP4/AVI)
 - You can set the camcorder to display (in the viewfinder, LCD, or both) the file name which will be used the next time you press the record button.
8. Planning metadata files can be used with the PMW-500 to:
 - Set the file name used to name clips as they are shot
 - Create customized names for essence marks
9. USB interface on the camera handle will accept USB thumb drives and provide additional functionality:
 - In UDF mode (MXF), proxy files can be simultaneously recorded to the USB flash drive during shooting
 - Camera setting files can be stored on USB thumb drive (in addition to SxS cards)
 - Planning Metadata can be loaded from USB thumb drive as well as SxS card
10. Information from DWR-S01D, digital wireless receiver is recorded to disc as metadata.

11. Camera menu pages are now numbered making it easier to describe (over the phone, for example) which menu page is being used.
12. Made the AWB adjustment behavior consistent with the PDW-700.
13. Level of cross color in Detail (SD Mode) menu is now adjustable.
14. 100% marker has been added to the Marker menu
15. Made the TC EXT-LK release behavior after POWER OFF/ON consistent with the PDW-700.
16. Added SMPTE color bar selection to the “Color Bars Select” menu.

Limitations of New Functions

If a recording is started immediately after power is turned on, Planning Metadata might not be updated because the camcorder prioritizes the start of recording over the updating of Planning Metadata.

A planning metadata file cannot be loaded via CBK-WA01 (Wi-Fi adaptor), if the camcorder is set to Clip Continuous record mode (“Cont” is indicated in viewfinder) – even if the camcorder is in REC Pause mode.

Bug Fixes

1. The auto black balance (ABB) adjustment did not always complete correctly because the iris was not closed soon enough. This error has been corrected.
2. Cache Recording did not always work correctly when cache was set to 13-15 sec and an i.LINK signal was being output. This error has been corrected.
3. When the “Filter White Memory” menu was turned on and the setting of the electrical CC filter was assigned to an assignable switch, the ND Filter settings (“1”, “2”, “3”, “4”) were sometimes displayed as the White Memory settings instead of the electrical CC filter settings (“A”, “B”, “C”, “D”). This has been corrected.