

Revision history

Rev	Date	Description
1.0	04/23/2015	Release

1. Introduction:

This release note provides information about the PTN3460I production firmware F2 versus the production firmware F1 in terms of new features as well as Interoperability fix. A short regression test report is included in the release note.

PTN3460I ordering number is as following:

- PTN3460IBS/F1: PTN3460I with production firmware version 1.0 (with 800x480 60Hz native resolution in EDID).
- PTN3460IBS/F2: PTN3460I with production firmware version 2.0 (with 800x480 60Hz native resolution in EDID).

2. New Features:

- Implement ASSR support configurable setting (ON or OFF) in the configuration register 0x80 bit 4 (default is off).
- Implement Frequency Averaging Filter enable/disable configurable setting in the configuration register 0x8E bit 6 (default is off).
- Implement Firmware PLL range configurable setting in the configuration register 0x99 (default is +/- 6.25%)
- Change DDC-I2C speed from 50KHz to 100KHz

3. Interoperability Improve Fix:

- While doing video mode (single, clone, extend mode) change frequently, the video noise may be observed because of Frequency Averaging Filter is always enabled in the firmware F1. Firmware F2 has implemented a function which Frequency Averaging Filter can be enabled or disabled through setting in the configuration register 0x8E bit 6 to solve this interoperability issue (default is off).

4. Short Regression Test Report:

Sources	Result	Remark
Intel Emerald Lake1 CRB (Intel HD Graphics 3000)	OK	note *1
HP Pavilion a4310f (ATI Radeon HD5700)	OK	note *1
Dell Latitude E5400 (Intel GMA 4500)	OK	note *1
Lenovo W700 (NVIDIA Quadro FX 2700M)	OK	note *1
HP ProBook 5310m (Intel GMA 4500)	OK	note *1
Apple MacBook Pro (NVIDIA GeForce 9400M)	OK	note *1
Dell Latitude E6500 (NVIDIA Quadro NVS160M)	OK	note *1
Dell Dimension 4700 (NVIDIA GeForce 9400GT)	OK	note *1
Intel Emerald Lake 2 CRB (Intel HD Graphics 4000)	OK	note *1
HP dc 7900 Convertible minitower (ATI Radeon HD 3400)	OK	Note *1

*1 Please obtain the detailed PNT3460I interoperability test report from your NXP account representative.