

Part Number: 4171400XX-3

Model: DVS-1600 General

DATE	VERSION	SUMMARY OF CHANGES	NOTE
7 Nov 2007	20-3	Production release DVS-1600 Bare PCB: 017140002-3; P/N 417140020-3 BIOS: U8, V1.01.00 (Flash SST25VF020)(new) U10, V0.10 (ARGB DDC, 24C02)(new) U11, V0.10 (DVI DDC, 24C02)(new)	ECN# 870688949
19 February 2008	20-3 to 21-3	Upgrade firmware - Bug fixed when the video system(PAL/NTSC) selection in OSD does not match with the actual source, display stays in the “no signal” state. - Bug fixed no display output when PAL is selected in OSD with PAL source. - Fixed the error in the source timing display in OSD when input Is Composite/S-Video - Adjust timing for panel AU M150XN07 to fit PAL video input. - Add panel support NEC NL12880BC20-02D (1280x800) Bare PCB: 017140002-3; P/N 417140021-3 BIOS: U8, V1.02.00 (Flash SST25VF020)(changed) U10, V0.10 (ARGB DDC, 24C02)(no change) U11, V0.10 (DVI DDC, 24C02)(no change)	ECN# 870688967
7 April 2008	21-3 to 22-3	[Hardware] : Remove EMC capacitors on EC1 – EC28 at LVDS signal pins for supporting NEC NL12880BC20-02D, Samsung LTA260W2-L01 panel. Change C75 and C78 from 10p to 18p(increase crystal 18.318MHz accuracy) Change C70 and C72 from 30p to 27p(increase crystal 24.576MHz accuracy) [Software] : 1) Panels support : a) Support AU Optronics M150XN07 V2 XGA panel when playing PAL video input Dip switch SW1 = 00110010, SW2 = 1101 b) Support NEC NL10276BC13-01C XGA panel Dip switch SW1 = 01110010, SW2 = 1001 c) Support PrimeView PD064VT5 & NEC NL6448BC26-01 VGA panel Dip switch SW1 = 00100110, SW2 = 1000 Dip switch definition : 1 = ON, 0 = OFF 2) Bug fixed : When the input mode is larger than the panel resolution, the mode cannot be memorized and it will trigger to activate to do auto setup automatically. 3) Bug fixed for switching video system (e.g PAL, NTSC) Bare PCB: 017140002-3; P/N 417140022-3 BIOS: U8, V1.06.00 (Flash SST25VF020)(changed) U10, V0.10 (ARGB DDC, 24C02)(no change) U11, V0.10 (DVI DDC, 24C02)(no change)	ECN# 870688980

<p>26 August 2008</p>	<p>22-3 to 23-3</p>	<p>Upgrade firmware Add Panel Support: (0=off, 1=on)</p> <ul style="list-style-type: none"> - Sharp_LQ1501LH22 1400x1050 (SW1: 10000 1110, SW2: 0001 3.3V LVDS) - Sharp SVGA LQ104S1DG21(SW1=1110 101x, SW2=0001, 5V TTL) - Sharp SXGA LQ181E1LW31, which found grey line at upper side on screen when running PAL composite signal. (SW1=0101 0100, SW2=0001, 12V LVDS) - NEC NL10276BC30-18C XGA (1024x768) (SW1=1111 0010, SW2=1101, 3.3V LVDS) - NEC NL8048BC19-02 WVGA (800x480) panel and fixed NTSC image shift up issue.(SW1=1010 0110, SW2=1001, 3.3V LVDS) - Sharp LS037V7DW03 480x640 panel(SW1=0100 1110, SW2=1000, 3.3V, TTL) - NEC NL8060BC21-02 SVGA (800x600) by using the old timing (Sharp LQ121S1LG41 SVGA panel) (SW1=1100 1010, SW2=1001, 3.3V, LVDS) - Fine tune the Sharp LQ084S3DG01 800x600 panel support to fix white line appearing at the top of the screen occasionally when running at 800x600 @75Hz. LQ084S3DG01 (SW1: 0110 1010, SW2: 1100, 3.3V TTL) - Bug fixed for panel power up issue after sleep mode on NEC NL10276BC20-08 panel (SW1=1111 0010, SW2=1001, 3.3V, LVDS) <p>Bug Fixed</p> <ul style="list-style-type: none"> - For displaying blurry image when video source changing - Enable to display "No Signal" message after sleep mode or power down - Add the OSD timer trigger for switch mount "SEL UP" and "SEL DN" buttons. - Fix video port switching problem. - Wait LED goes red and wait 3 to 5 seconds, plug in the video signal and wait until LED goes green, once green quickly unplug the video signal. At this point sometimes the unit would get in a mode where the LED flash amber/green and the screen will show the "no signal". - Fix red LED problem when searching the input sources. - Lost Horizontal and Vertical image position parameters setting after OSD timeout. - Flash screen displayed during port searching state looping to video ports after power up controller. <p>Improvement:</p> <ul style="list-style-type: none"> - Improve video source detection mechanism. - Add RS232 command control support. - Add IR remote control support. - For OSD settings change the existing OSD timer from represent in scale to represent in seconds. - Change the OSD timeout to "0 / 10 / 20 / 30 / 40 / 50 / 60" seconds. (Factory default to "10"); (Always on when set to "0") <p>Bare PCB: 017140002-3; P/N 417140023-3 BIOS: U8, V1.10.00 (Flash SST25VF020)(changed) U10, V0.10 (ARGB DDC, 24C02)(no change) U11, V0.10 (DVI DDC, 24C02)(no change)</p>	<p>ECN# 870689014</p>
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<p>21 April 2009</p>	<p>23-3 to 24-3</p>	<p>Upgrade firmware</p> <p>Add Panel Support: (0=OFF, 1=ON)</p> <ul style="list-style-type: none"> - Add Sharp LQ10D421 & LQ64D343 & LQ104V1DG11 (800x600) panel support to fix on losing few lines on top and bottom of screen. (SW1=0110 0110, SW2=1000, 5V TTL) - Add LG LP104V2 (640x480) panel support. (SW1=1110 0110, SW2=1000, 3.3V TTL) - Add Mitsubishi AA104VB04 (640x480) panel support. (SW1=1110 0110, SW2=1000, 5V TTL) - Add AU Optronics G104VN01 (640x480) panel support (SW1=0001 0110, SW2=1000, 3.3V TTL) - Add AU Optronics M220EW01 (1680x1050) panel support (SW1=1110 1100, SW2=0101, 5V LVDS) - Add AU Optronics B170UW02 V0 (1920x1200) panel support. (SW1=0000 0000, SW2=0001, 3.3V LVDS) - Add Sharp LQ070Y3LG4A (800x480) panel support. (Only support 640x480 input resolution signal. For 800x600 input resolution signal, several lines are missing on the top and the bottom) (SW1=1001 0110, SW2=1101, 3.3V LVDS) - Fine tuning NEC NL10276BC30-18 / -18C panel timing to fix the flickering problem when cycling power up (SW1=1111 0010, SW2=1101, 3.3V LVDS) - Fine tune the AU Optronics M220EW01 (1680x1050) panel timing for running at 720x400 70Hz (SW1=1110 1100, SW2=0101, 5V LVDS) - Fine tuning Samsung LTA260W2-L01(1366x768) panel timing for running at 720x400Hz 70Hz (SW1=1000 1100, SW2=1101, 5V LVDS) <p>Feature Added</p> <ul style="list-style-type: none"> - Support M3-300/VS-400 720p input timing - Support 1280x800 input timing from Mac at DVI port.(DVI DDC update only) <p>Bug Fixed</p> <ul style="list-style-type: none"> - RS-232 command feedback on "Query BIOS version" - RS-232 command feedback on "Auto Setup" - Input port will not resume the last selected input port in "Auto Source = OFF" mode - IR remote control malfunction when jumper JB6 sets 1-3; 2-4 - Blurry image displayed after selecting "Load Factory Defaults" in the OSD menu when using NTSC 4.43 input source. <p>Bare PCB: 017140002-3; P/N 417140024-3</p> <p>BIOS: U8, V1.15.00 (Flash SST25VF020)(changed) U10, V0.10 (ARGB DDC, 24C02)(no change) U11, V0.20 (DVI DDC, 24C02)(changed)</p>	<p>ECN# 870689077</p>
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<p>12 May 2010</p>	<p>24-3 to 25-3</p>	<p>Upgrade firmware Add Panel Support: (0=off, 1=on) - Add support panel Samsung_WUXGA_LTM230HT01 (SW1=1000 0000, SW2=0101, 5V LVDS) - Add support panel PrimeView_SVGA_PD104SL5 (3.3V LVDS) and AU_SVGA_A201SN01 (5V TTL) (SW1=0001 1010, SW2=1001) - Add Support panel AU_WXGA_M156XW01_V0(1366x768) (SW1=0010 1100, SW2=1101, 5V LVDS) <i>same timing as Sharp_WXGA_LQ315T3LZ24 (16:9)</i> - Add Support panel Samsung_1440x900_LTM190M2-L31 (SW1=1100 1110, SW2=0101, 5V LVDS) - Add Support panel Samsung_SXGA_LTM170ET01 (SW1=1101 0100, SW2=0101 5V LVDS) - Add Support panel CPT_CLAA102NA0ACW_1024x600 (SW1=0010 1110, SW2=1001, 3.3V LVDS) - Add Support panel LG_LM171WX3-TLA1_1440x900 (SW1=1010 1110, SW2=0101, 5V LVDS) - Add support panel AUO M190EG01 SXGA panel. (SW1=0011 0100, SW2=0101 5V LVDS) Feature Added - Add support Enable/ Disable function on the IR using "Attention" + Key "1" Bug Fixed Bug fixed: Set the same "V-size" as AVP-1280 under video NTSC mode. Bare PCB: 017140002-3; P/N 417140025-3 BIOS: U8, V1.18.00 (Flash SST25VF020)(changed) U10, V0.10 (ARGB DDC, 24C02)(no change) U11, V0.20 (DVI DDC, 24C02)(no change)</p>	<p>ECN# 870689164</p>
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<p>Prepared by: DV-HK</p>	<p>Date: 12 May 2010</p>
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