

Part Number: 4177000XX-3

Model: DT-1920-HDMI General

DATE	VERSION	SUMMARY OF CHANGES	NOTE
31 October 2019	00	<p>Official release DT-1920-HDMI with firmware V1.00.00 DT-1920-HDMI feature list 1) Support up to 1920x1200 resolution panel. 2) 3.3V / 5V / 12V panel support. 3) 8 bit controller platform. 4) LVDS (Single & Dual channel) panel support only. 5) Backlight control : Analog or PWM 6) Support HDMI 1.3 input up to 1920x1200 60Hz resolution. 7) Multi panel support by changing the dip switch setting on board. 8) Support "Resolution default by EDID" for different resolution panel. 9) Support audio line out (Stereo) from HDMI. 10) DV RS-232 control serial protocol support. 11) IR remote control support. 12) Reserved for light sensor connection which can connect with Light sensor kit 7200-3 or light sensor cable P/N 426005800-3, but not support the old light sensor kit 70220-3. 13) Reserved for temperature sensor connection which can connect with temperature sensor cable P/N 426307600-3. 14) Dual color LED connector and on board LED reporting controller status. 15) On board LED reporting power input status. 16) On board Temperature sensor 17) Firmware upgrade via external programming board same as ALR-1400v2. 18) Design for 12VDC power input. 19) Board size : 62.7mm x 91.4mm (Same board size as DD-1920-HDMI)</p> <p>Bare PCB: 017700000-5; P/N 417700000-3 BIOS: U6, V1.00.00 (Flash MX25L8006EM11-12G(new) U3, Checksum: E9, 48 (HDMI DDC, 24C02)(new)</p>	<p>ECN# TW8706880 57</p>
5 February 2020\	00 to 01	<p>Firmware on U6 changed to V1.01.00 1) Added Light Sensor on/off selection on the OSD menu 2) Added Light Sensor Settings for automatic backlight brightness adjustment and RS-232 commands set: 0xEE, 0x78 3) Changed 'SEL UP', 'SEL DN' button to control the Backlight Brightness hotkey function. 4) Set no OSD menu displayed when adjusting the 'Backlight Brightness' hotkey function.</p> <p>Running change PCB to Rev C - change the power supply to Temperature Sensor(U10) from 5V to 3.3V</p> <p>Bare PCB: 017700000-5 Rev C; P/N 417700001-3 BIOS: U6, V1.01.00 (Flash MX25L8006EM11-12G(new) U3, Checksum: E9, 48 (HDMI DDC, 24C02)(no change)</p>	<p>ECN# TW8706880 72</p>
7 October 2020	01 to 02	<p>Firmware V1.01.00 on U6 no change Hardware change - Added 4pcs 0ohm/0402 resistor on R3,R4,R7 & R140 to reserve capability to support SPI controlled panels</p> <p>Running change PCB to Rev D a. change the power supply to Temperature Sensor(U10) from 5V to 3.3V b. rename the model name on PCB to DT/HDT-1920-HDMI</p> <p>Bare PCB: 017700000-5 Rev D; P/N 417700002-3 BIOS: U6, V1.01.00 (Flash MX25L8006EM11-12G(no change) U3, Checksum: E9, 48 (HDMI DDC, 24C02)(no change)</p>	<p>ECN# TW8706880 98</p>

<p>2 August 2022</p>	<p>02 to 03</p>	<p>Release new firmware V1.02.00 on U6</p> <ol style="list-style-type: none"> 1) Changed "+" / "-" button to control the Backlight brightness hotkey function. And 'Up'/Dn' remains no function for single input 2) Bug fixed on RS-232 command - '0xC4' (Command availability) 3) Add 0x83 Saturation RS-232 commands, Range: "0x00"-“0x64”, Default: “0x32” 4) Add 0x84 Hue RS-232 commands, Range: “0x00”-“0x64”, Default: “0x32” 5) New EDID update process is applied, EDID data will not read/write until the panel DIP switch setting has been changed to other resolution. 6) Fine-tuning EDID 1600x1200 Preferred Timing 7) Changed: OSD menu not displayed on the screen when long pressing the MENU button 8) Fixed the issue on the time to send RS-232 commands needs to be one second apart. 9) New panel support <ul style="list-style-type: none"> - Landmark LM1010L-WGA1 1920x1200 panel (SW1=0011 000x, SW2=1000, 3.3V LVDS) - Sharp LQ201U1LW32 1600x1200 panel.(SW1=0100 100x, SW2=0000, 12V LVDS) - KOE TX31D203VM0EAB 1920x720 panel (SW1=1101 111x, SW2=0000, LVDS 3.3V) - NEC NL12876BC26-25 1280x768 panel (SW1=1011 110x, SW2=1100, LVDS 3.3V) <p>Hardware no change</p> <p>Bare PCB: 017700000-5 Rev D; P/N 417700003-3 BIOS: U6, V1.02.00 (Flash MX25L8006EM1I-12G(new) U3, Checksum: 1D, 48 (HDMI DDC, 24C02)(no change)</p>	<p>ECN# TW8706881 54</p>
----------------------	-----------------	--	----------------------------------

<p>Prepared by: DV-HK</p>	<p>Date: 2 August 2022</p>
----------------------------------	-----------------------------------