

Configuration.txt

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;=====
; Chrontel CH7036 LVDS-HDMI/DVI-VGA Media Feature Configuration Registry user menu
; HKEY_LOCAL_MACHINE\SOFTWARE\Chrontel\CH7036WinAPPS
;
;=====

;=====
;Reset
;      size :   dword
;      Value: Hex
;          00000000: No Reset Datapath
;          00000001: Reset Datapath
;=====
"Reset"=dword:00000000

;=====
;LVDS Pixel Format: Pixel format for LVDS Panel
;      size :   dword
;      Value: Hex
;          00000000: 18-18 bit
;          00000001: 18-24 bit
;          00000002: 24-18 bit
;          00000003: 24-24 bit
;=====
"LVDS_Pixel_Format"=dword:00000000

;=====
;Auto_Detect_Output: Automatic enable output based on connection detection status; HDMI will be default
;on if both HDMI and CRT are connected
;      size :   dword
;      Value: Hex
;          00000000 : Disable automatic detection by using user selection instead.
;          00000001 : Enable automatic detection
;=====
"Auto_Detect_Output"=dword:00000001

;=====
;VGA_Enable
;      size :   dword
;      Value: Hex
;          00000000 : Disable VGA Output
;          00000001 : Enable VGA Output
;=====
"VGA_Enable"=dword:00000001

;=====
;Firmware
;      size :   dword
;      Value: Hex
;          00000000: Do not load Firmware
;          00000001: Load Firmware
;=====
"Firmware"=dword:00000001
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```
;=====
;Audio Type:
;      size :   dword
;      Value: Hex
;           00000000: SPDIF
;           00000001: I2S
;=====
"Audio_Type"=dword:00000000

;=====
;Load_Input_From_INI
;      size :   dword
;      Value: Hex
;           00000000: Load input timing from registers
;           00000001: Load input timing from Configuration.reg
;
;
;=====
"Load_Input_From_INI"=dword:00000000

;=====
;  When "Load_Input_From_INI" is 1, specify following timing parameters.
;  Program will use the input timing specified below
;;      size :   dword
;      Value: Hex
;           Input_Refresh_Rate : Horizontal refresh rate in Hz;
;           Input_Clock_Frq : Output Clock Frequency is in KHz unit;
;           Input_H_Total : Horizontal Total in pixels;
;           Input_H_Active : Horizontal Active in pixels;
;           Input_H_Offset : Horizontal Offset in pixels;
;           Input_H_SyncW : Horizontal Sync Pulse Width in pixels;
;           Input_H_Polarity : Horizontal Polarity (0 = Negative, 1 = Positive);
;           Input_V_Total : Vertical Total in lines;
;           Input_V_Active : Vertical Active in lines;
;           Input_V_Offset : Vertical Offset in lines;
;           Input_V_SyncW : Vertical Sync Pulse Width in lines;
;           Input_V_Polarity : Vertical Polarity (0 = Negative, 1 = Positive);
;=====

"Input_Clock_Frq"=dword:00000000
"Input_Refresh_Rate"=dword:00000000
"Input_H_Total"=dword:00000000
"Input_H_Active"=dword:00000000
"Input_H_Offset"=dword:00000000
"Input_H_SyncW"=dword:00000000
"Input_H_Polarity"=dword:00000000
"Input_V_Total"=dword:00000000
"Input_V_Active"=dword:00000000
"Input_V_Offset"=dword:00000000
"Input_V_SyncW"=dword:00000000
"Input_V_Polarity"=dword:00000000

;=====
;Default Output Channel when fist time program start.
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; size : dword
; Value: Hex
; 00000001: LVDS only;
; 00000002: HDMI or DVI only;
; 00000003: LVDS and HDMI(DVI);
; 00000004: CRT only;
; 00000005: LVDS and CRT;
;
;=====
"Output_Channel"=dword:00000001

;=====
;; CEA : Based on EDID data to list out all supported modes, can be enabled if EDID fail
; size : dword
; Value: Hex
; 00000000: List CEA mode only
; 00000001: List both CEA and Non-CEA modes
;
;=====
"CEA"=dword:00000000

;=====
; Bypass_EDID:
; size : dword
; Value: Hex
; 00000000: No
; 00000001: Bypass EDID
;=====
"Bypass_EDID"=dword:00000000

;=====
;Output timing
; When Bypass_EDID is 1, specify following timing parameters.
; Program will output only one mode according to following parameters.
; size : dword
; Value: Hex
; Output_Refresh_Rate : Horizontal refresh rate in Hz;
; Output_Clock_Frq : Output Clock Frequency is in KHz unit;
; Output_H_Total : Horizontal Total in pixels;
; Output_H_Active : Horizontal Active in pixels;
; Output_H_Offset : Horizontal Offset in pixels;
; Output_H_SyncW : Horizontal Sync Pulse Width in pixels;
; Output_H_Polarity : Horizontal Polarity (0 = Negative, 1 = Positive);
; Output_V_Total : Vertical Total in lines;
; Output_V_Active : Vertical Active in lines;
; Output_V_Offset : Vertical Offset in lines;
; Output_V_SyncW : Vertical Sync Pulse Width in lines;
; Output_V_Polarity : Vertical Polarity (0 = Negative, 1 = Positive);
;=====

"Output_Refresh_Rate"=dword:00000000
"Output_Clock_Frq"=dword:00000000
"Output_H_Total"=dword:00000000
"Output_H_Active"=dword:00000000
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```
"Output_H_Offset"=dword:00000000
"Output_H_SyncW"=dword:00000000
"Output_H_Polarity"=dword:00000000
"Output_V_Total"=dword:00000000
"Output_V_Active"=dword:00000000
"Output_V_Offset"=dword:00000000
"Output_V_SyncW"=dword:00000000
"Output_V_Polarity"=dword:00000000
```

```
;=====
;Format_Index: Default HDMI output index when first time program start
;      size :   dword
;      Value:   Hex
;
;      00000003 : 480p
;      00000004 : 720p
;      00000010 : 1080p
;      00000011 : 576p
;      00000014 : 1080i
;=====
"Format_Index"=dword:00000004
```

```
;=====
;Specify the default HDMI output resolution when first time program start.
;The setting need to follow "Format_Index" setting
;      size :   dword
;      Value:   Hex
;
;      HDMI_Display_Mode_Frequency: HDMI output Clock Frequency is in KHz unit;
;      HDMI_Display_Mode_WIDTH: Horizontal Active in pixels
;      HDMI_Display_Mode_HEIGHT: Vertical Active in lines
;      HDMI_Display_Mode_TYPE:
;
;      00000000: Interlace mode
;      00000001: Progressive mode
;=====
"HDMI_Display_Mode_Frequency"=dword:0000003c
"HDMI_Display_Mode_WIDTH"=dword:000002d0
"HDMI_Display_Mode_HEIGHT"=dword:00000500
"HDMI_Display_Mode_TYPE"=dword:00000001
```

```
;=====
;Specify the default DVI output resolution when first time program start.
;      size :   dword
;      Value:   Hex
;
;      DVI_Display_Mode_Frequency: DVI output Clock Frequency is in KHz unit;
;      DVI_Display_Mode_WIDTH: Horizontal Active in pixels
;      DVI_Display_Mode_HEIGHT: Vertical Active in lines
;      DVI_Display_Mode_TYPE:
;
;      00000000: Interlace mode
;      00000001: Progressive mode
;=====
"DVI_Display_Mode_Frequency"=dword:0000003c
"DVI_Display_Mode_WIDTH"=dword:00000300
"DVI_Display_Mode_HEIGHT"=dword:00000400
"DVI_Display_Mode_TYPE"=dword:00000001
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=====
;;Specify the default CRT output resolution when fist time program start.
;      size :   dword
;      Value:  Hex
;
;          CRT_Display_Mode_Frequency: CRT output Clock Frequency is in KHz unit;
;          CRT_Display_Mode_WIDTH: Horizontal Active in pixels
;          CRT_Display_Mode_HEIGHT: Vertical Active in lines
;          CRT_Display_Mode_TYPE:
;
;                      00000001: Progressive mode
=====
"CRT_Display_Mode_Frequency"=dword:0000003c
"CRT_Display_Mode_HEIGHT"=dword:00000400
"CRT_Display_Mode_WIDTH"=dword:00000300
"CRT_Display_Mode_TYPE"=dword:00000001

=====
; CRT Monitor Horizontal and Vertical Image Position Tuning
;;      size :   dword
;      Value:  Hex
;
;          H_Position=CRT Monitor Horizontal Image Position Tuning, ranges from 0 to 4095
;          V_Position=CRT Monitor Vertical Image Position Tuning, ranges from 0 to 4095
;
=====
"H_Position"=dword:00000800
"V_Position"=dword:00000800

=====
;CRT Monitor Horizontal and Vertical Scaling Size Tuning
;;      size :   dword
;      Value:  Hex
;
;          H_Scan_Mode_CRT=CRT Monitor Horizontal Scaling Tuning, ranges from 0 to 10
;          V_Scan_Mode_CRT=CRT Monitor Vertical Scaling Position Tuning, ranges from 0 to 10
;
=====
"H_Scan_Mode_CRT"=dword:0000000a
"V_Scan_Mode_CRT"=dword:0000000a

=====
;HDMI/DVI Monitor Horizontal and Vertical Scaling Size Tuning
;;      size :   dword
;      Value:  Hex
;
;          H_Scan_Mode=HDMI/DVI Monitor Horizontal Scaling Tuning, ranges from 0 to 10
;          V_Scan_Mode=HDMI/DVI Monitor Vertical Scaling Position Tuning, ranges from 0 to 10
;
=====
"H_Scan_Mode"=dword:00000008
"V_Scan_Mode"=dword:00000008

=====
; Dething_Enablet: Dethering selection to smooth the output
;
;      size :   dword
;      Value:  Hex
;
;          00000000 : Disable Dethering

```

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```
;          00000001 : Enable Dethering
;=====
"Dething_Enable1"=dword:00000001

;=====
;Special turning registers, please consult with Chrontel FAE
;
;=====
"EYE_RDAC"=dword:00000000
"EYE_DACG"=dword:00000000
"EYE_DRI_PLL_RLF"=dword:00000003
"EYE_DRI_PLL_CP"=dword:00000001
"EYE_BGTRIM"=dword:00000000
"EYE_DRI_DEMP"=dword:00000001
"EYE_DRI_DRAMP"=dword:00000007
"TXDRV_IT"=dword:00000000
"FBDLY"=dword:00000001
"DRI_PD_PLL"=dword:00000000
"REFDLY"=dword:00000000
```