



86" UHD Signage Displays

Key Features



Display Control over RS232 and LAN

Our platform allows users to control their displays, using a large range of commands through either a Local Area Network or direct RS232 Serial connection.



Menu Lock

The menu lock feature allows the displays menus to be locked after installation in order to prevent any changes or access whilst being used in a public area.



Auto Launch

We have made it easy to give any HTML5-based application link to the display within the SoC software. Upon this, the display will start with the given link. The application can either be an offline or an online application, allowing the customers to execute their own application.



Wireless Display

Using either Microsoft Wireless Display Adaptor or Android Screen Sharing functions on Windows and Android devices, you can mirror screen to the display using embedded wireless display capabilities without using any external devices or cables.



SoC

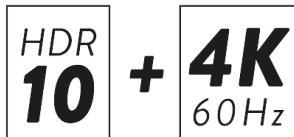
HTML-5 based applications can be developed to work directly within the SoC platform of our displays. The displays are capable of working in either online or offline mode.



Embedded CMS

Embedded content management program which supports playback library, ready templates and scheduler. With its simple and intuitive menus and layout options, it is effective for small and medium enterprises to make easy content management.

Features



HDR10 & 4K HDMI @60Hz

By HDR10 compatibility, customers can guarantee that all featured content meets HDR guidelines and reaches superior picture quality as clearly and brightly as possible. Different than many products in the market, 4K content over HDMI source is supported at 60Hz.



Scheduler

Digital Signage Monitor Software allows many important features such as Scheduler. Scheduler sets your display turn on/off time easily and lets you not to worry about the status of your displays in any time.



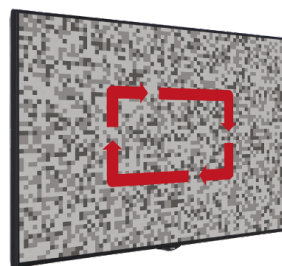
Source Switching

It is made available to set any Source on startup of the display. It can also be switched on any other signal source using scheduler and failover scenarios. This lets the users to freely control the process of their requirements allowing best user experience.



DAP (Dolby Audio Processing) Technology

Our displays provide a comprehensive sound performance by using Dolby's latest technology DAP. With embedded DAP Technology, superior sound performance achieves by intelligent audio equalizing, dialog enhancements and surround sound upmixing.



Pixel Shifting

Pixel Shifting is designed to be activated inside the SoC in order to prevent for potential risk of image sticking, caused by constant content. With this feature turned on, pixels on the screen will move in an interval while causing no interference of visual experience.



HDMI Wake Up

To maximize the user experience while using external video devices such as mediaplayers, display controllers or PCs, all our devices have HDMI Wakeup feature ready to turn on/off the display by simply plugging/unplugging the HDMI cable.

PANEL

Screen Size	86"
Backlight Type	Edge-Type LED
Brightness (typical)	400 cd/m ²
Native Resolution	3840 x 2160 (16:9) - UHD
Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	40000:1
Panel Life Time (Min.)	30000 Hrs
Response Time (typical)	8 ms
Active Area (H x V)	1895 x 1066 mm
Pixel Pitch (H x V)	0.4935 x 0.4935 mm
PPI (pixel per inch)	52
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Color Value	1.07 B (10-bit)
Screen Treatment	2H
Haze Level	3%
Refresh Rate	60 Hz
Front Type	SNB
Orientation	Horizontal
Operation Hours	16/7
Area of Usage	Indoor

MAINBOARD

Mainboard Model	17MB135VS
-----------------	-----------

MONITOR CONNECTIVITY

RGB Input	VGA(DE-15F)
RGB Output	N/A
Video Input	4xHDMI2.0, 2xUSB2.0, USB2.0(Internal)
Video Output	HDMI2.0
Audio Input	Line In L/R
Audio Output	Headphone, Optic SPDIF
External Control	RS232(DE-9F), Ethernet(RJ45), Service(RJ12)
External Sensor	RJ12

MECHANICAL

Product Dimensions (WxDxH)	1975 x 103 x 1146 mm
Package Dimensions (WxDxH)	2163 x 318 x 1405 mm
Product Weight	65.8 kg
Package Weight	85.6 kg
Vesa Mounting	600 x 400 mm - M6
Bezel Width	B:38 T:38 L/R:38 mm

ENVIRONMENTAL CONDITIONS

Operating Temperature	0-40°C
Operating Humidity	10-90%

POWER

Power Supply	110 VAC - 240 VAC - 50/60 Hz
--------------	------------------------------

POWER CONSUMPTION

Typical	254 W
Deep Standby	≤0.5 W

FEATURES

Main Features	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock
Mechanical Features	Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder
Optional Features	OPS Compliance
Speaker	2 x 12 W

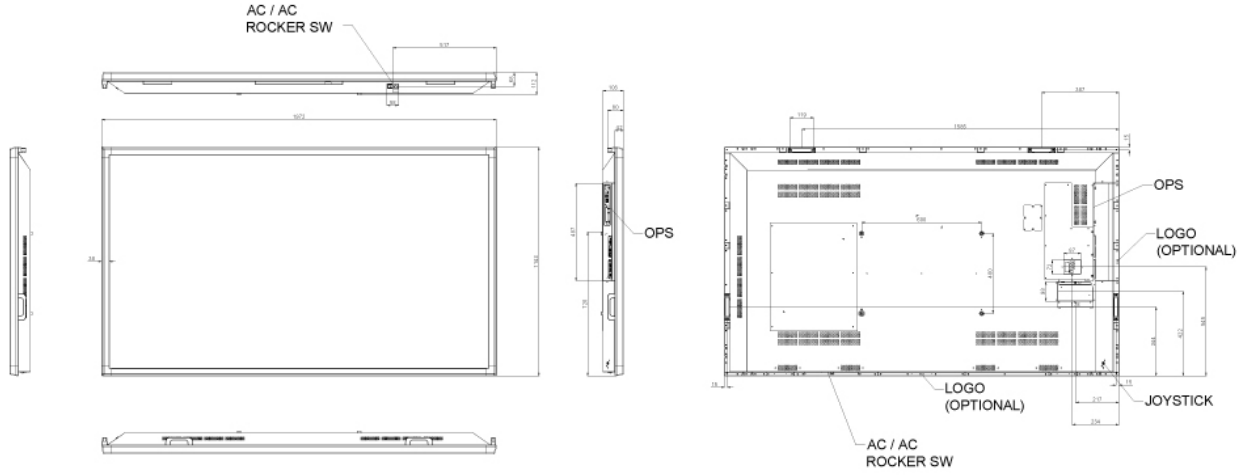
ACCESSORY

Standard	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable
----------	---

CERTIFICATION

Safety	YES
EMC	YES
CE	YES

REVIZI	REVIZIYON	REVIZIYONLARIN
1	04/03/2019	FORMAT GÜNCELLENDİ
2	27/03/2019	YENİ METALLERİ GEREKİĞİNİNE RAPİDOL, ARKALI VE PAKETLEME GEREKİĞİNİ GÜNCELLENDİ
3		



MODEL	DIMENSIONS (mm)		
	WIDTH	DEPTH	HEIGHT
86990 DS	mm	mm	mm
PRODUCT	1972	112	1143
PACKAGING	2163	380	1405



TOLERANCES	K	NAME	REV
0.00/50.00	H0.30	86990 DS	R02
50.00/100.00	H0.50	CREATED : HOSSEYIN ÇİFTÇİ	DATE: 27/03/2019
100.00/250.00	H0.50	LAST REV. : CAN OLKAY	SHEET: 1 / 1
250.00/500.00	H0.75	CHECK : Hakan KOTUNCUOĞLU	SCALE: 1
500.00/1000.00	F1.00	APPROV. : Deniz ÇETİNYÜREK	UNIT
1000.00/2500.00	F1.50		mm
ANGLES	H0.5°	VESTEL VESTEL ELECTRONICS / DIGITAL PRODUCTS OPERATIONS NAKİSA/TURKEY TEL: +90 236 2203660 FAX: +90 236 2203612	