VM55B/4H

VESTEL

55" Professional Value Signage Display

- Resolution : 1920x1080 (FHD)
- Brightness : 500 cd/m2
- Operation : 24/7
- Bezel : 10 mm (T/R/L)
- Interface : HDMI 2.0 / VGA / USB / RS232 /RJ45 / RJ12 / IR / HP / Audio / Speaker
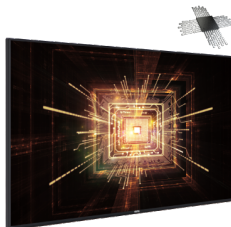
Key Features

IP Streaming Support

Our processors in the displays make it easier to manage content through many devices. IP video streaming protocols such as RTSP/RTP/HLS and UDP Multicast are supported for real-time content streaming. So that, live broadcasts can be displayed in this way.

Pixel Shifting

The Pixel Shifting feature can be activated in order to reduce the potential risk of image sticking when static content is displayed over long periods of time. The feature periodically shifts the image on the display, without causing any interference of the visual experience.
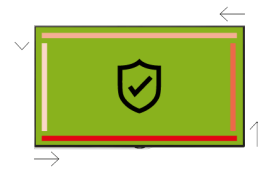

HDMI Wake Up

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 pluging/unplugging the HDMI cable.

Scheduler

The built in scheduler is one of the many important included features. The scheduler allows you to plan daily routines of when the display is powered on or off, along with selection of different sources or USB playlists.

SoC Content Management

With quad core SoC (System on Chip), this Series displays are the digital signage monitors for both offline designed content and cloud-based managed content. This helps your digital content to be displayed in the displays by content management systems.

Built-in Connectivity

This series features wired and wireless connectivity such as embedded WiFi and Bluetooth. Due to the wireless capabilities, the displays can easily gather its content without any external device. Moreover, WiFi allows screen sharing to be enjoyed with Miracast.

Features

Daisy Chain

The display can mirror the content (to another display) into its display port out coming from its display port in. This set up creates a daisy chain like structure allowing for monitors to be set up as Video Wall mode.

External Device Connections

You may want to connect your teleconference system, screen sharing system, set-top box or external PCs via HDMI port. For this purposes, our monitors help you to maximize user experience with HDMI CEC (Consumer Electronics Control) and HDMI Hotplug capabilities.

Longer Life Span

Our Professional Panel Display series come with a longer life span coming with a MTBF (mean time between failures) of 100.000 hours, guaranteeing the highest panel quality making them more suitable for 24/7 type utilisation.

Usb Auto-Play

You will be able to show photo and video content automatically with USB Auto-play feature. SoC software gives you a choice to turn on USB auto-play function making it easy for end-users to show any media on the screen and not worry about anything else.

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.

Display Control

Digital Signage Display SoC enables the users to control our displays using RS232 commands in a Local Area Network. Together with the full RS232 command list you can change/set volume, turn on/off the monitor, set a schedule for content display, set a webpage link to be displayed and give a wide range of commands in real-time.

Signal Failover

Our SoC Software has a protection for "No Signal" scenario. If the USB is unplugged after your content is set to be displayed with USB, the display will either show your customized banner or search for any other signal from other sources (HDMI, Display Port, etc.). This failover protection is constructed for higher user experience.

Image Orientation

SoC Software lets you choose the orientation of the display menu easily. This feature is important for portrait usage of our professional panel monitors.

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.

VM55B/4H

VESTEL

PANEL

Screen Size	55"
Backlight Type	Edge-Type LED
Brightness (typical)	500 cd/m²
Native Resolution	1920 x 1080 (16:9) - FHD
Contrast Ratio (typical)	1200:1
Dynamic Constrast Ratio	50000:1
Panel Life Time (Min.)	50000 Hrs
Response Time (typical)	6 ms
Active Area (H x V)	1210 x 680 mm
Pixel Pitch (H x V)	0.5593 x 0.5593 mm
PPI (pixel per inch)	45
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	Ultra Narrow Bezel
Orientation	Horizontal/ Vertical
Operation Hours	24/7
Area of Usage	Indoor

MONITOR CONNECTIVITY

RGB Input	VGA(DE-15F)
RGB Output	N/A
Video Input	4xHDMI2.0, 2xUSB2.0
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

ENVIRONMENTAL CONDITIONS

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

POWER CONSUMPTION

Typical	85 W – subject to change
Deep Standby	≤0.5 W

ACCESSORY

Standard	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets

MAINBOARD

Mainboard Model	17MB135VS

MECHANICAL

Product Dimensions (WxDxH)	1236 x 56 x 712 mm
Package Dimensions (WxDxH)	1369 x 145 x 874 mm
Product Weight	17 kg – subject to change
Package Weight	20 kg – subject to change
Vesa Mounting	400 x 200 mm
Bezel Width	B:16	T:10	L/R:10 mm

POWER

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

FEATURES

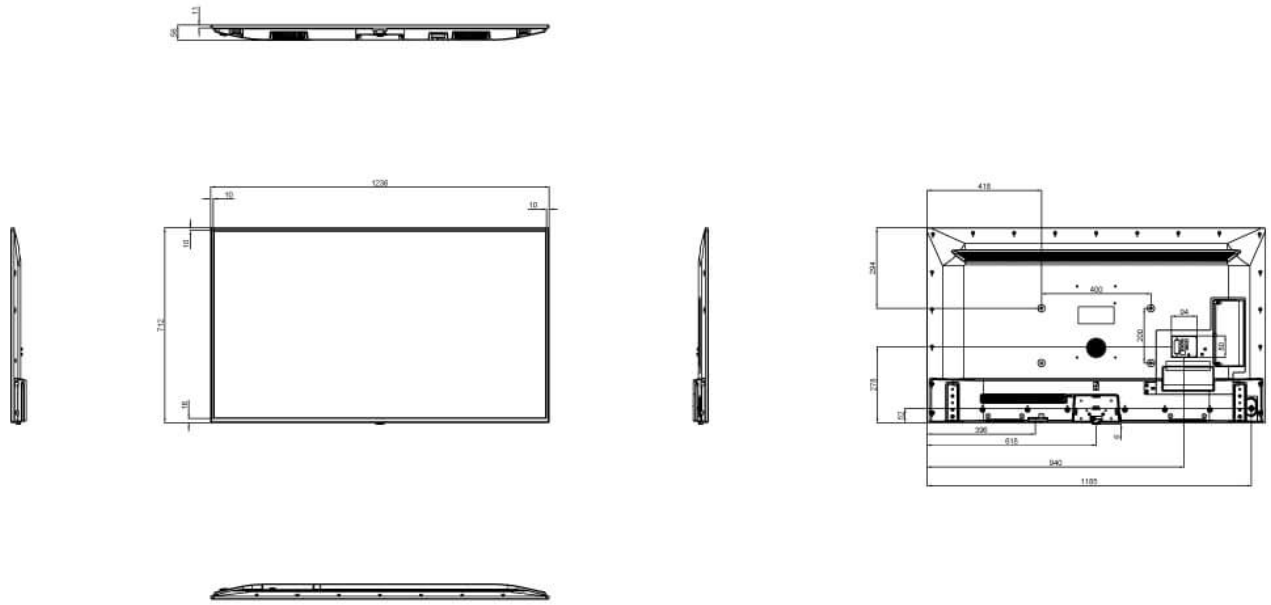|	
Main Features	Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Wakeup, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock
Mechanical Features	Joystick, Cable Holder
Speaker	2x10 W

CERTIFICATION

Safety	YES
EMC	YES
CE	YES

MODEL 55405 VS	DIMENSIONS (mm)		
	WIDTH mm	DEPTH mm	HEIGHT mm
PRODUCT	1236	56	712
PACKAGING	1369	145	874

ACTIVE CELL DIMENSIONS