DM2-W315Q

IEI's Next Generation Industrial Monitor

- Front OSD, easy access for panel parameter adjustment
- Speakers positioned at the front, ensuring clear sound delivery even in panel mount
- Supports gloved operation and waterproof protection
- Built-in camera, ideal for AI facial recognition
- USB 3.2 Gen1 Type-A supports 7.5W Power Supply
- IP65 compliant front panel with aluminum frame
- Anti-glare and anti-UV PCAP

DM2-W315Q

The DM2 series LCD monitor is the latest member of IEI's line of sophisticated LCD designs with flat bezel. It is designed to fit industrial automation. The flat front panel provides IP 65 protection, which effectively wards off dust and water. Flexible analog or digital interfaces are provided for ease of connection with a management computer.
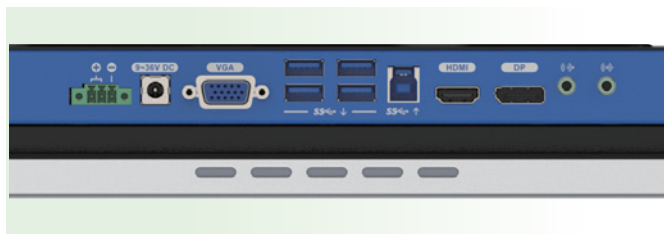
IP65 Speakers Camera OSD

Front -accessible OSD

The front-accessible OSD lets you easily control brightness, volume, and power on/off.

Support HDMI, VGA, DP

The DM2 series offers different display interfaces, such as HDMI, VGA, and DP, to suit various requirements.

Anti-glare and Anti-UV PCAP

With anti-glare and anti-UV coating, the 10-point touchscreen can display clearly without reflection.

AG coating Anti-UV

IP65 rated front panel protection

With the IP65 front panel protection rating, this series is more durable and rugged, ensuring reliable operation in harsh industrial environments.

Built-in Camera

The DM2 series, equipped with a built-in camera, is perfectly suited for AI facial recognition applications.
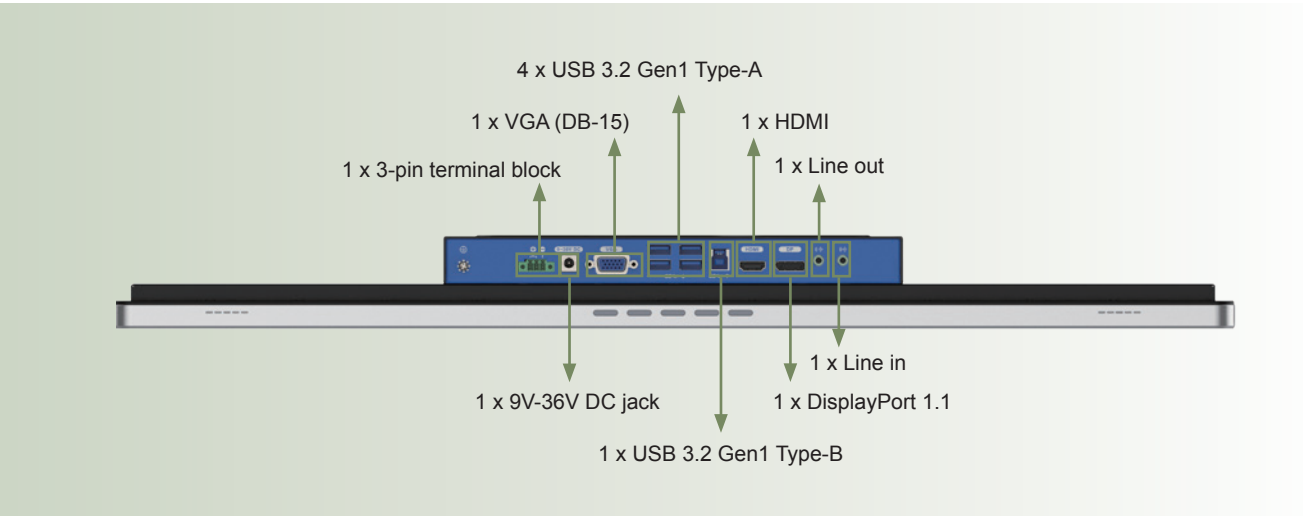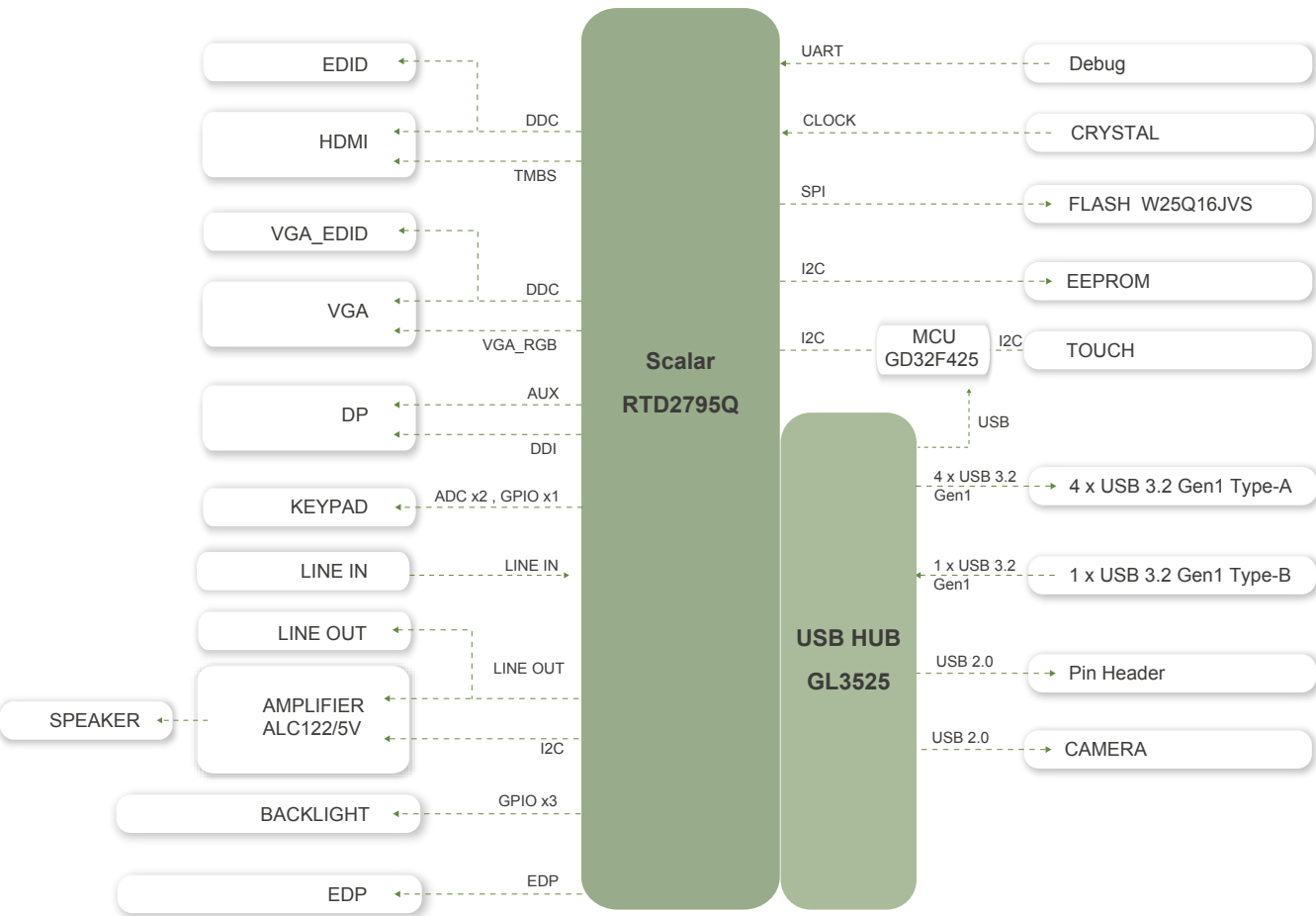
Front Speakers

The speakers are positioned at the front to guarantee clear sound delivery, even when panel-mounted.
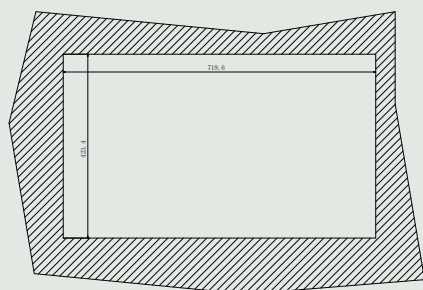
Fully Integrated I/O

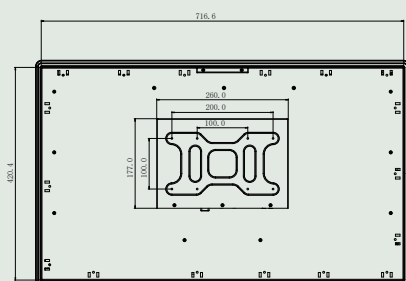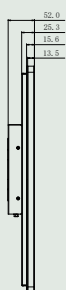4 x USB 3.2 Gen1 Type-A

1 x VGA (DB-15)   1 x HDMI

1 x 3-pin terminal block   1 x Line out

1 x 9V-36V DC jack

1 x Line in

1 x DisplayPort 1.1

1 x USB 3.2 Gen1 Type-B

Block Diagram

EDID		Debug
HDMI	UART	CRYSTAL
	DDC / CLOCK	
	TMBS	FLASH W25Q16JVS
VGA_EDID	SPI	EEPROM
VGA	DDC	
	VGA_RGB	I2C
DP	AUX	MCU GD32F425 / TOUCH
	DDI	
KEYPAD	ADC x2 , GPIO x1	USB
LINE IN	LINE IN	4 x USB 3.2 Gen1 / 4 x USB 3.2 Gen1 Type-A
LINE OUT		1 x USB 3.2 Gen1 / 1 x USB 3.2 Gen1 Type-B
AMPLIFIER ALC122/5V	LINE OUT	USB 2.0 / Pin Header
SPEAKER	I2C	USB 2.0 / CAMERA
BACKLIGHT	GPIO x3	
EDP	EDP	

Scalar RTD2795Q

USB HUB GL3525

Dimensions *(Unit: mm)*

Specifications

Model Name	DM2-W315Q(L)
LCD Size	31.5"(16:9)
LCD Brightness (cd/m^2)	350
Max Resolution (W-H)	3840x2160
Contrast Ratio	1000 : 1
LCD Color	16.8M
Viewing Angle (H-V)	178°/178°
Backlight MTBF (hrs)	30000
Touch Screen	10-point projected capacitive touch window (anti-UV, anti-glare surface)
Touch Controller	Capacitive:ilitek
I/O Ports and Switches	1 x VGA (DB-15) 1 x Line in 1 x HDMI 1 x Line out 1 x USB 3.2 Gen1 Type-B 1 x DisplayPort 1.2 4 x USB 3.2 Gen1 Type-A 1 x 9V-36V DC jack 1 x 3-pin terminal block
OSD Keypad	5-key membrane OSD keypad
Camera	720P Wide Angle Fixed Focus*
Speaker	2 x 2W AMP (internal speaker)*
Construction Material	Aluminum front frame and sheet metal rear cover
Mounting	Panel mount, VESA
Enclosure Color	Black+Silver
Dimensions (LxWxH) (mm)	738.8 x 448.4 x 52
Cutout Dimensions (mm)	719.6 x 423.4
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C ~ 60°C
Humidity	10% to 90%@40°C (non-condensing) (50%@50°C)
Vibration	MIL-STD-810F 514.5C-1
Shock	Operating:Half-sine wave shock 5G; 11ms; 100 shocks per axis No-operating:Half-sine wave shock 10G; 11ms; 100 shocks per axis
IP Level	IP 65 compliant front panel
Safety & EMC	CE/FCC Class B

* L (Lite) without Camera, Speaker

Ordering Information

DM2-W315Q-R10	31.5" 350 cd/m² 3840 x 2160 monitor, VGA, HDMI, DisplayPort, with USB 3.0 HUB, PC touch screen, 9 ~36V DC input, Speaker, Camera, R10
DM2-W315QL-R10	31.5" 350 cd/m² 3840 x 2160 monitor, VGA, HDMI, DisplayPort, with USB 3.0 HUB, PC touch screen, 9 ~36V DC input, R10

Packing List

Item	P/N	Q'ty	Remark
USB Cable	32001-032200-100-RS	1	USB 3.0 Type-A Male to Type-B Male cable, 100 cm
3-pin Terminal Block	33502-000188-RS	1	/
VESA Screws	44033-040062-RS	4	M.4
Panel Mount Kit	19XM0SFE0-0004601-000-RS	17	/

Options

Item	Part No.
Power Adapter	63040-010096-050-RS (96W) 63040-010060-200-RS (60W) (Lite Version)
Power Cord	32702-000202-100-RS (EU)