



**Brilliant in its perfection!**  
The intelligent VIANOVA HD display family combines a high-resolution HD screen with contrast rich and extraordinarily brilliant picture reproduction - all packaged in a robust and compact enclosure.

The display is purpose-built specifically for mobile applications and, as such, conforms to stringent specific requirements with regard to temperature, shock and vibration.

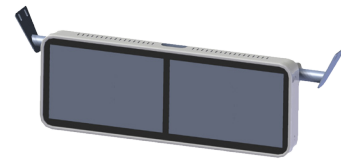
An excellent viewing angle along with a perfectly crisp image – naturally in full HD (720p) resolution and supporting a 16:9 widescreen format – fully satisfy today's demands.

During its development phase a great deal of consideration was given not just to the use of robust and durable components but also to a service-friendly and well thought-out design that did not compromise the exceptional picture quality. The unit's flat enclosure complies with and ensures the minimum vehicle headroom is respected.

It is because of its intelligent design that power and energy loss are minimized and its weight is reduced. Besides the latest vehicle bus interfaces, such as IBISplus, the display unit also supports a wide range of more usual communication interfaces, including WLAN, UMTS/LTE, GPS, Bluetooth and DAB.

When operational, the intelligent display controller continually monitors critical operational parameters, such as temperature, voltage, valid video signal and brightness to name a few. In-built diagnostic tools highlight errors as they occur so that service personnel can be notified automatically. This streamlined approach minimizes downtimes and helps to optimize spare-part planning

The unit is extremely versatile and can be installed in a variety of configurations to suit the application. Besides the standard ceiling or wall mounting, options are also available that cater for back-to-back configurations too. These multimedia display units have an integrated Ethernet switch that helps simplify the vehicle cabling and daisy-chaining the units saves additional switches and cables.



Technical Data	18.5" Quad Display MD-18-Q-R	18.5" Single Display MD-18-S-W	18.5" Twin Display MD-18-T-R
<b>Application:</b>	Ceiling mounting. Two screens side-by-side. Visible from both sides.	For universal installation including back-to-back.	Two screens side-by-side Visible from one side. Primarily designed for busses.
<b>Mechanical Data:</b>			
Height:	286 mm	297 mm	297 mm at 0° tilt
Width:	917 mm	581 mm	917 mm without mountings
Depth:	382 mm	178 mm (382 mm when back-to-back)	178 mm
Image Height:	230 mm	230 mm	230 mm
Image Width:	411 mm	411 mm	411 mm
Display Tilt Angle:	25°	0° (25° when back-to-back)	Freely adjustable
Weight:	27 kg	12 kg (19 kg when back-to-back)	17 kg
<b>Electrical Data:</b>			
Supply Voltage:	24 V DC (+/- 30 %)	24 V DC (+/- 30 %)	24 V DC (+/- 30 %)
Power Consumption Operational (70% brightness):	70 W typically	25 W typically (50 W when back-to-back)	35 W typically
Power Consumption Standby:	4 W typically	4 W typically	4 W typically
Fuse:	6 A T	3.5 A T	3.5 A T
<b>Optical Data:</b>			
Screen Size:	18.5" 16:9 format	18.5" 16:9 format	18.5" 16:9 format
Physical Resolution:	1366 x 768 pixels (HxV)	1366 x 768 pixels (HxV)	1366 x 768 pixels (HxV)
Brightness:	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>
Contrast:	1000:1	1000:1	1000:1
Viewing Angle:	80 Deg. at CR=10	80 Deg. at CR=10	80 Deg. at CR=10
<b>Interfaces:</b>	IBIS2, IBISplus, WLAN, UMTS/LTE, GPS, DAB, Bluetooth, 3x DIN, 4x DOUT, 2xUSB, 1xETH M12	IBIS2, IBISplus, WLAN, UMTS/LTE, GPS, DAB, Bluetooth, 3x DIN, 4x DOUT, 2xUSB, 1xETH M12	BIS2, IBISplus, WLAN, UMTS/LTE, GPS, DAB, Bluetooth, 3x DIN, 4x DOUT, 2xUSB, 1xETH M12
<b>Certification:</b>	EN50155 EN50121-2-4 EN60950 E1	EN50155 EN50121-2-4 EN60950 E1	EN50155 EN50121-2-4 EN60950 E1

**VIANOVA Technologies GmbH**  
Headquarters  
Manfred-von-Ardenne-Ring 20  
D-01099 Dresden  
Tel: +49 (351) 8925 - 400

[www.vianova-tn.de](http://www.vianova-tn.de)  
[info@vianova-tn.de](mailto:info@vianova-tn.de)

**VIANOVA Technologies GmbH**  
Sales and Service Center  
Albert-Einstein-Straße 10  
D-87656 Garmaringen  
Tel: +49 (8341) 99595 - 0