

MCD10 - Mobile Colour Display

The new 10" Völkel display with touch screen technology

The robust 10" Völkel MCD10 colour display is specially designed for installation in mobile machines and is suitable for use in harsh environments.

An ideal complement to the Völkel control system, the MCD10 allows customised operation and visualisation of all machine functions.

The modern multi-touch display not only provides an ergonomic operating solution that helps to reduce the number of mechanical controls and displays on the machine, but also offers the possibility of implementing more complex functions in the area of job management, analysis or similar thanks to its powerful features.

The most important properties of the MCD10:

- The scratch and break-resistant surface can withstand rough treatment
- Anti-reflective glass ensures readability even in extreme lighting conditions
- Powerful multi-core processor and embedded Linux for complex applications and a wide range of functions
- Robust touch functionality (including multi-touch)
- Fully customisable user interface using Qt
- Up to four analogue colour cameras or digital cameras can be connected
- Multiple camera images can be displayed simultaneously (PiP)
- Wide range of communication interfaces
- Can be used horizontally or vertically



Technical data:

Surroundings	Power supply	8...32V
	Power consumption	Normal operation 12V / approx. 1A (without external peripherals) Standby 12V / approx. 1mA
	Operating temperature	-30 ... 70°C (ambient)
Housing	Dimensions	Width x height x depth in cm: 19,9 x 25,2 x 4,1 (plug less)
	Material	Colourless anodized aluminium
	Protection category	On the front IP67 und IP69 On the back IP65 und IP67
	Weight	Approx. 1,5kg
	Mounting	VESA MIS-D 100x100mm
Display	Resolution	1024 x 768 Pixel
	Colours	16.2M
	Size	10.4-inch-diagonal
	Aspect ratio	4:3
	Brightness	500cd/m ² , dimmable LED-backlight
	Contrast	1000:1
	Viewing angle	vertical 176° horizontal 176°
	Glass Operation	Anti-reflective and hardened non-Flex-Tec display glass, bonded By projected Capacitive touchscreen
Connections	M	M12 8-pole: <ul style="list-style-type: none"> - supply - activation signal (clamp 15) - CAN2.0B (max. 1Mbit/s) - RS232 (max. 115kBAud)
	E	M12 8-pole, X-coded: <ul style="list-style-type: none"> - Ethernet (max. 1Gbit/s)
	U	M9 5-pole: <ul style="list-style-type: none"> - USB 2.0 OTG (max. 480Mbit/s)
	1	M9 3-pole: <ul style="list-style-type: none"> - composite-video-signal with UB feed-out
	2	M9 3-pole: <ul style="list-style-type: none"> - composite-video-signal with UB feed-out
	3	M9 3-pole: <ul style="list-style-type: none"> - composite-video-signal with UB feed-out
	4	M9 3-pole: <ul style="list-style-type: none"> - composite-video-signal with UB feed-out
EMV	Road vehicles	ISO 10605, ISO 7637-1, ISO 7637-2, ISO 7637-3
	Construction machinery	DIN EN ISO 13766-1
	Agricultural, forestry machinery	DIN EN ISO 14982
	Industrial use	DIN EN 61000-6-2, DIN EN 61000-6-4

Housing dimensions

