

DELTA COMPONENTS - LCD Terminals

for DeltaCar-PC



The optimal visualisation of the DeltaCar-PC takes place via a LCD-TFT DeltaTerminal. Alternatively you can use a terminal unit that is attached as a terminal in the instrument panel or by an built-in terminal, which is integrated in the center console of the vehicle. DeltaTerminals show a LVDS-Single-Cable-System including: 1. power supply and control cables 2. picture data transfer via LVDS technology and 3. activation of the TouchScreen Controller. In Addition, you can find an PS/2 port for the adaption of a mouse and a key button to simulate the right mouse button. DeltaTerminals are available in the sizes 6,5" and 8,4".



Type	6,5" DeltaTerminal transmissiv Aufbaugehäuse	6,5 DeltaTerminal transflektiv Aufbaugehäuse	6,5" DeltaTerminal OEM Design Variante	8,4" DeltaTerminal Aufbaugehäuse	8,4" DeltaTerminal Einbaueinheit
Features					
Viewing Area / Diagonale	6,5" / 166mm	6,5" / 166mm	6,5" / 166mm	8,4" / 214mm	8,4" / 214mm
Touch Panel	analog resistiv	analog resistiv	analog resistiv	analog resistiv	analog resistiv
Pixel Pitch (mm)	0,213 x 0,213		0,213 x 0,213	0,213 x 0,213	0,213 x 0,213
Resolution (mm)	640 x 480 Dot	640 x 480 Dot	640 x 480 Dot	800 x 600 Dot	800 x 600 Dot
Effective Display Area (mm)	132,48 x 99,36	132,48 x 99,36	132,48 x 99,36	170,4 x 127,8	170,4 x 127,8
Color	262k	262k		262k	262k
Contrast Ratio	250:1	400:1		250:1	250:1
Brightness	350 cd/m ²	500cd/m ²		350cd/m ²	350cd/m ²
Dimmable	0-100%	0-100%	0-100%	0-100%	0-100%
Viewing Angel	up 35° down 45° right 50° left 50° (typ.)	up 35° down 45° right 50° left 50° (typ.)		up 90° down 90° right 100° left 100° (typ.)	up 90° down 90° right 100° left 100° (typ.)
Backlight	2x CCFL	2x CCFL	2x CCFL	2x CCFL	2x CCFL
Input Signal	1x LVDS 18 bit	1x LVDS 18 bit	1x LVDS 18 bit	1x LVDS 18 bit	1x LVDS 18 bit
Input Connector	1x 50 pin	1x 50pin	1x 50 pin	1x 50 pin	1x 50 pin
Power Supply	8 - 28V DC	8 - 28V DC	8 - 28V DC	8 - 28V DC	8 - 28V DC
Operating Temperature	0°C ~ +60°C	0°C ~ +60°C	0°C ~ +60°C	0°C ~ +60°C	0°C ~ +60°C
Storage Temperature	-25°C ~ +70°C	-25°C ~ +70°C	-25°C ~ +70°C	-25°C ~ +70°C	-25°C ~ +70°C
Dimension (mm)	206,0 x 150,0 x 35,0	206,0 x 150,0 x 35,0		220,0 x 180,0 x 35,0	205,0 x 152,0 x 45,0
Net Weight (Kg)					
Color Case	black	black	custom design	black	metal
Approval	E1	E1	E1	E1	E1
Options	mounting kit	mounting kit	mounting kit	mounting kit	mounting kit
Ordering Number	PKKC1080	PKKC1087	by ordering	PKKC1084	PKKC1086

Terminals for DeltaCar-PC

DeltaVarioMon LCD-TFT Monitors

for Professional Automotive-, Mobile-, Industrial Applications



DeltaVarioMon is one of DELTA COMPONENTS proprietary product series. These LCD-TFT vehicle displays are designed for use in automotive and other mobile applications. Available in four different sizes (6,5", 8,4", 10,4" and 12,1") the displays differ – besides the integrated panel, design and possible options – basically in respect to the interfaces and the backlight (LED/CCFL). A microcontroller based regulation allows the dimming of brightness from 0% to 100%. Brightness can also be set manually via potentiometer. Please ask DELTA COMPONENTS for further information.



Coming soon

Type	6,5" DeltaVarioMon CCFL Backlight	6,5" DeltaVarioMon II CCFL Backlight / transflektiv	6,5" DeltaVarioMon II CCFL Backlight / transmissiv	8,4" DeltaVarioMon II CCFL Backlight
Features				
Viewing Area / Diagonale	6,5"/170mm	6,5"/ 166mm	6,5"/ 166mm	8,4" / 213,3mm
Touch Panel	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive
Pixel Pitch (mm)	0,207 x 0,207	0,2070 x 0,2070 (H x V)	0,2070 x 0,2070 (H x V)	0,213 x 0,213 (W x H)
Resolution (mm)	640 x 480 VGA	640 x 480 VGA	640 x 480 VGA	800 x 600 SVGA
Effective Display Area	132,48 x 99,36 mm	132,5 x 99,4	132,5 x 99,4	170,4 x 127,8
Color	6-bit digital, 262.144	262k	262k	262k
Response Time (tr/ft)	25ms	49ms (Typ.)	13ms	50ms
Contrast Ratio	600:1	400:1	250:1	250:1
Brightness	600cd/m ²	500 cd/m ²	300 cd/m ²	350 cd/m ²
Dimmable	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD
Viewing Angel	up 80° down 80° right 80° left 60° (typ.)	up 35° down 45° right 50° left 50° (typ.)	up 35° down 45° right 50° left 50° (typ.)	up 90° down 45° right 100° left 100° (typ.)
Backlight	2x CCFL	2x CCFL	2x CCFL	2x CCFL
Lamp Life				50.000 h
Input Signal	VGA/CRT, DVI-D	VGA/CRT	VGA/CRT	VGA/CRT
Input Connector	LEMO/ 15Pin HD-Sub, DVI, USB (TouchScreen)	LEMO / 15Pin HD-Sub / PS/2	LEMO / 15Pin HD-Sub / PS/2	LEMO / 15Pin HD-Sub / PS/2
Polarized Pencil Hardness	2H (min.)	2H (min.)	2H (min.)	
Power Supply	8-28VDC	8 - 28VDC	8 - 28VDC	8 - 28VDC
Power Supply Cable	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m
Consumption	4,4W	5,0W	5,0W	6,4W
Operating Temperature	-10° - +70°C	0°C ~ +60°C	0°C ~ +60°C	0°C ~ +50°C
Storage Temperature	-20° - +80°C	-20°C ~ +70°C	-25°C ~ +70°C	-20°C ~ +60°C
Dimension (mm)	206,4 x 150,2 x 35,0	206,4 x 150,2 x 35,0	206,4 x 150,2 x 35,0	220,0 x 180,0 x 35,0
Net Weight (Kg)				1,0 Kg
Case	aluminium softtouch special paint black	aluminium softtouch special paint black	aluminium softtouch special paint black	aluminium softtouch special paint black
Protection Class	IP30, e1 projected	IP20	IP20	IP20
Pixel (MHz)		25.175 MHz	25.175 MHz	
Options				
Ordering Number	DMXX1069 / DMXX1070	DMXX1048 / DMXX1049	DMXX1050 / DMXX1051	DMXX1055 / DMXX1056

DeltaVarioMon - LCD-TFT Monitors

DeltaVarioMon LCD-TFT Monitors

for Professional Automotive-, Mobile-, Industrial Applications



DeltaVarioMon is one of DELTA COMPONENTS proprietary product series. These LCD-TFT vehicle displays are designed for use in automotive and other mobile applications. Available in four different sizes (6,5", 8,4", 10,4" and 12,1") the displays differ – besides the integrated panel, design and possible options – basically in respect to the interfaces and the backlight (LED/CCFL). A microcontroller based regulation allows the dimming of brightness from 0% to 100%. Brightness can also be set manually via potentiometer. Please ask DELTA COMPONENTS for further information.



Type	8,4" DeltaVarioMon CCFL Backlight	10,4" DeltaVarioMon LED Backlight	12,1" DeltaVarioMon LED Backlight	12,1" DeltaVarioMon High Brightness
Features				
Viewing Area / Diagonale	8,4"/213mm	10,4"	12,1"/ 310mm	12,1"/ 310mm
Touch Panel	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive	with/ without TouchScreen analog resistive
Pixel Pitch (mm)	0,213 x 0,213	0,0685 x 0,2055	0,240 x 0,240	0,240 x 0,240
Resolution (mm)	800 x 600 SVGA	1.024 x 768 XGA	1.024 x 768 XGA	1.024 x 768 XGA
Effective Display Area	170,496 x 127,872 mm	210,4 x 157,8	245,76 x 184,32 mm	245,76 x 184,32 mm
Color		16,2M	262.144 colors	6-bit, 262.144 colors
Response Time (tr/rtf)	25ms	40ms	33ms	50ms
Contrast Ratio	600:1	800:1	800:1	500:1
Brightness	650cd/m ²	1.000cd/m ²	1.000cd/m ²	1.250cd/m ²
Dimmable	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD	yes incl. Brightness-control via poti and lightsensor or OSD
Viewing Angel	up 80° down 80° right 80° left 60° (typ.)	150° (H) 150° (V)	up 70° down 70° right 70° left 70° (typ.)	up 70° down 70° right 55° left 70° (typ.)
Backlight	2x CCFL	LED Backlight	LED Backlight	6x CCFL
Lamp Life				
Input Signal	VGA/CRT, DVI-D	VGA/CRT, DVI-D	VGA/CRT, DVI-D	VGA/CRT, DVI-D
Input Connector	LEMO/ 15Pin HD-Sub, DVI, USB (TouchScreen)	LEMO/ 15Pin HD-Sub, DVI, USB (TouchScreen)	LEMO/ 15Pin HD-Sub, DVI, USB (TouchScreen)	LEMO/ 15Pin HD-Sub, DVI, USB (TouchScreen)
Polarized Pencil Hardness	2H (min.)	Anti glare coating (Haze 25%) Hard coating 3H	Anti glare coating (Haze 25%) Hard coating 3H	2H (min.)
Power Supply	7.5 - 33VDC	7.5 - 33VDC	7.5 - 33VDC	9-36VDC
Power Supply Cable	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m	2-pin cable with open ends, Length ca.2m
Consumption		27W		
Operating Temperature	-10° - +70°C	-10° - +60°C	-20° - +60°C	0° - +50°C
Storage Temperature	-20° - +80°C	-20° - +70°C	-40° - +80°C	-20° - +70°C
Dimension (mm)	218,0 x 182,0 x 39,0	250,0 x 201,0 x 41,0	292,0 x 232,0 x 41,0	292,0 x 234,5 x 47,0
Net Weight (Kg)	ca. 950g	1.300g (DMXX1141)	1.650g (DMXX1161)	ca. 1.400g
Case	aluminium softtouch special paint black	aluminium softtouch special paint black	aluminium powder-coated black	aluminium powder-coated black
Protection Class	IP30, e1 projected	IP30, e1 projected	IP30, e1 projected	IP20
Pixel (MHz)				
Options	USB-Hub, Sound Amplifier and integrated speakers	USB-Hub, Sound Amplifier and integrated speakers	USB-Hub, Sound Amplifier and integrated speakers	
Ordering Number	DMXX1063 / DMXX1064	DMXX1140 / DMXX1141	DMXX1160 / DMXX1161	DMXX1067/1068/1073/1074

DeltaVarioMon - LCD-TFT Monitors