

Selection Guide Railway Monitore

DELTA COMPONENTS GmbH

Auweg 27 * D-79761 Waldshut-Tiengen

Tel.: +49 (0) 7751 / 8399-0

Fax: +49 (0) 7751 / 8399-99

info@delta-components.de

www.delta-components.de

www.automotive-computing.com

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Selection Guide Railway Monitore



**DeltaVarioMon 10.4" Railway
Aufbauversion**



**DeltaVarioMon 10.4" Railway
Aufbauversion Typ 2**



**DeltaVarioMon 10.4" Railway
Einbauversion 1**

LCD Size	10.4"	10.4"	10.4"
Active Area	211.2 x 158.4 mm	211.2 x 158.4 mm	211.2 x 158.4 mm
Pixel Pitch	0.264 x 0.264 mm	0.264 x 0.264 mm	0.264 x 0.264 mm
Display Backlight	LED Backlight	LED Backlight	LED Backlight
Display Resolution	SVGA (800x600)	SVGA (800x600)	SVGA (800x600)
Display Colors	-	-	-
Brightness	400 cd/m ²	400 cd/m ²	400 cd/m ²
Contrast Ratio	700:1	700:1	700:1
Response Time	-	-	-
Viewing Angle	160°/140° (H/V)	160°/140° (H/V)	160°/140° (H/V)
ScanFrequency	-	-	-
Anti Reflection Glass	x	x	x
Strengthened Glass	-	-	-
MTBF	-	-	-
TouchScreen	-	-	-
Keypad	-	-	-
Mounting System	VESA	VESA	VESA
Graphic Interface	Composite/CVBS	VGA/CRT, BNC	Composite/CVBS
Interface COM			
Video Input	x	2x (1x BNC, 1x Video-Zweidraht)	x
Resolution	-	-	-
Format NTSC	-	-	-
Format PAL	-	-	-
Format RGB	-	-	-
Input Voltage Nominal	24 VDC	24 VDC	24 VDC
Input Voltage Min/Max	9 bis 36 VDC	9 bis 36 VDC	9 bis 36 VDC
Input Current	12W	12W	12W
Operating Temperature	-25°C bis 85°C	-25°C bis 85°C	-25°C bis 85°C
Storage Temperature	-30°C bis 85°C	-30°C bis 85°C	-30°C bis 85°C
Relative Humidity	< 90%	< 90%	-
Protection	IP40	IP40	IP40
Certification	EN50155 (Railway)	EN50155 (Railway)	EN50155 (Railway)
Dimensions	280 x 220 x 60 mm (B x H x T)	280 x 220 x 60 mm (B x H x T)	320 x 240 x 60 mm (B x H x T)
Weight	3.1 kg	3.1 kg	2.8 kg
Material	Aluminium/Stahlblech	Aluminium/Stahlblech	Aluminium/Stahlblech
Typ. Application	Railway	Railway	Railway
Bestellinformation	Artikel-Nr. DMVC1020 DeltaVarioMon 10.4" Railway EN50155 Aufbauversion, 1x Video-Composite (BNC) 1x Video-2 Draht (M12)	Artikel-Nr. DMRX2300 DeltaVarioMon 10.4" Railway EN50155 Aufbauversion, 1x Video-Comp. (BNC,) 1x Video-2 Draht (M12), 1x VGA/CRT	Artikel-Nr. DMVC1021 DeltaVarioMon 10.4" Railway Einbauversion1 gerade, 1x Video-Composite (BNC) 1x Video-2 Draht (M12)

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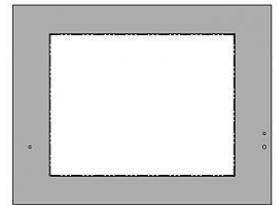
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**DeltaVarioMon 10.4" Railway
Einbauversion 2**



**DeltaVarioMon 10.4" Railway
Einbauversion 3**



DeltaVarioMon 10,4" Railway EN 50155

LCD Size	10.4"	LCD Size	10.4"	LCD Size	10.4"
Active Area	211.2 x 158.4 mm	Active Area	211.2 x 158.4 mm	Active Area	210,4 x 157,8 mm (H / V)
Pixel Pitch	0.264 x 0.264 mm	Pixel Pitch	0.264 x 0.264 mm	Pixel Pitch	0,2055 x 0,2055 mm (H / V)
Display Backlight	LED Backlight	Display Backlight	LED Backlight	Display Backlight	LED Backlight
Display Resolution	SVGA (800x600)	Display Resolution	SVGA (800x600)	Display Resolution	XGA (1.024x768)
Display Colors	-	Display Colors	-	Display Colors	16.7M
Brightness	400 cd/m²	Brightness	400 cd/m²	Brightness	400 cd/m²
Contrast Ratio	700:1	Contrast Ratio	700:1	Contrast Ratio	3.000:1
Response Time	-	Response Time	-	Response Time	20 ms (max. 30 ms)
Viewing Angle	160°/140° (H/V)	Viewing Angle	160°/140° (H/V)	Viewing Angle	178°/178° (H/V)
Scan Frequency	-	Scan Frequency	-	Scan Frequency	Hor.: 30 to 80 KHz; Ver.: 55 to 75 Hz
Anti Reflection Glass	x	Anti Reflection Glass	x	Anti Reflection Glass	-
Strengthened Glass	-	Strengthened Glass	-	Strengthened Glass	x
MTBF	-	MTBF	-	MTBF	typ. 50.000 hours
TouchScreen	-	TouchScreen	x	TouchScreen	-
Keypad	-	Keypad	-	Keypad	Power, Menu, Source, Up, Down, Right, Left (optional)
Mounting System	VESA	Mounting System	VESA	Mounting System	VESA
Graphic Interface	Composite/CVBS	Graphic Interface	VGA/CRT	Graphic Interface	1x 15-pin D-Sub VGA/CRT, (optional) DVI, (optional) HDMI, (optional) S-Video, 1x RCA Jack Composite/CVBS, (optional) BNC
Interface COM	-	Interface COM	-	Interface COM	-
Video Input	x	Video Input	-	Video Input	PAL-Video
Resolution	-	Resolution	-	Resolution	1.024 x 768 @ 60 Hz
Format NTSC	-	Format NTSC	-	Format NTSC	(optional)
Format PAL	-	Format PAL	-	Format PAL	x
Format RGB	-	Format RGB	-	Format RGB	Amplitude: 0,7 ± 0,05V; Input Impedance: 75 ± 2% ohms
Input Voltage Nominal	24 VDC	Input Voltage Nominal	110 VDC	Input Voltage Nominal	-
Input Voltage Min/Max	9 bis 36 VDC	Input Voltage Min/Max	-	Input Voltage Min/Max	10 to 32VDC
Input Current	12W	Input Current	12W	Input Current	10W ± 10%
Operating Temperature	-25°C bis 85°C	Operating Temperature	-25°C bis 85°C	Operating Temperature	-10°C to 70°C
Storage Temperature	-30°C bis 85°C	Storage Temperature	-30°C bis 85°C	Storage Temperature	-30°C to 80°C
Relative Humidity	-	Relative Humidity	-	Relative Humidity	10% to 90% RH @ Ta <40°, non-condensing
Protection	IP40	Protection	IP40	Protection	Shock & Vibration
Certification	EN50155 (Railway)	Certification	EN50155 (Railway)	Certification	CE, e1 (Vehicle), EN50155 (Railway), RoHS
Dimensions	320 x 240 x 60 mm (B x H x T)	Dimensions	320 x 240 x 60 mm (B x H x T)	Dimensions	238,6 x 175,8 x 6,5 mm (W x H x D)
Weight	2.8 kg	Weight	2.8 kg	Weight	Tbd.
Material	Aluminium/Stahlblech	Material	Aluminium/Stahlblech	Material	-
Typ. Application	Railway	Typ. Application	Railway	Typ. Application	Industrial, Automotive, Railway
Bestellinformation	Artikel-Nr. DMVC1021-1 DeltaVarioMon 10,4" Railway Einbauversion2 schräg, 1x Video-Composite (BNC) 1x Video-2 Draht (M12)	Artikel-Nr. DMVC1021-3 DeltaVarioMon 10,4" Railway EN50155 Indash version, 1x VGA/TouchScreen capacitive with RS-232/110VDC	Artikel-Nr. DMVC1019 DeltaVarioMon 10,4" Railway EN 50155, 1.024 x 768 resolution, 400 cd/m², VGA + PAL-Video		

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**DeltaVarioMon 15" Railway
Aufbauversion**



**DeltaVarioMon 15" Railway
Aufbauversion 1**



**DeltaVarioMon 15" Railway
Einbauversion 1**

LCD Size	15"	15"	15"
Active Area	304.128 x 228.096 mm	304.128 x 228.096 mm	304.128 x 228.096 mm
Pixel Pitch	0.297 x 0.297 mm	0.297 x 0.297 mm	0.297 x 0.297 mm
Display Backlight	LED Backlight	LED Backlight	LED Backlight
Display Resolution	XGA (1.024x768)	XGA (1.024x768)	XGA (1.024x768)
Display Colors	-	-	-
Brightness	400 cd/m²	400 cd/m²	400 cd/m²
Contrast Ratio	700:1	700:1	700:1
Response Time	-	-	-
Viewing Angle	160°/140° (H/V)	160°/140° (H/V)	160°/140° (H/V)
ScanFrequency	-	-	-
Anti Reflection Glass	-	-	x
Strengthened Glass	-	-	-
MTBF	-	-	-
TouchScreen	-	-	-
Keypad	-	-	-
Mounting System	VESA	VESA	VESA
Graphic Interface	Composite/CVBS	Composite/CVBS	Composite/CVBS
Interface COM	1x RS232	1x RS232	1x COM1
Video Input	1x Video Composite / BNC, 1x Video-2-Draht M12D-codiert	2x (1x BNC, 1x Video-Zweidraht)	2x (1x BNC, 1x Video-Zweidraht)
Resolution	-	-	-
Format NTSC	-	-	-
Format PAL	-	-	-
Format RGB	-	-	-
Input Voltage Nominal	24VDC	24VDC	24VDC
Input Voltage Min/Max	9 bis 36 VDC	9 bis 36 VDC	9 bis 36VDC
Input Current	15W	-	-
Operating Temperature	-25°C bis 60°C	-25°C bis 85°C	-25°C bis 85°C
Storage Temperature	-40°C bis 85°C	-30°C bis 85°C	-30°C bis 85°C
Relative Humidity	< 90%	< 90%	< 90%
Protection	IP40	IP40	IP40
Certification	EN50155 (Railway)	EN50155 (Railway)	EN50155 (Railway)
Dimensions	374 x 294 x 60mm (B x H x T)	374 x 294 x 58.3mm (B x H x T)	412 x 305 x 60mm (B x H x T)
Weight	ca. 5.3kg	-	-
Material	Aluminium/ Stahlblech	Aluminium/ Stahlblech	Aluminium/ Stahlblech
Typ. Application	Railway	Railway	Railway
Bestellinformation	Artikel-Nr. DMVC1026-1 DeltaVarioMon 15" Railway Aufbauversion, 1x Videoeingang VideoComp. / BNC 1x Power / M12 D kod.	Artikel-Nr. DMVC1024 DeltaVarioMon 15" Railway EN50155 Aufbauversion, 1x Video-Composite (BNC) 1x Video-2 Draht (M12)	Artikel-Nr. DMVC1025 DeltaVarioMon 15" Railway EN50155 Einbauversion, 1x Video-Composite (BNC) 1x Video-2 Draht (M12)

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**DeltaVarioMon 15" Railway
Einbauversion 2**



DeltaVarioMon 19" Railway EN 50155

LCD Size	15"	19"
Active Area	304.128 x 228.096 mm	376,32 x 301,06 mm (H x V)
Pixel Pitch	0.297 x 0.297 mm	0,2928 x 0,2928 mm (H / V)
Display Backlight	LED Backlight	LED Backlight
Display Resolution	XGA (1.024x768)	SXGA (1.280x1.024)
Display Colors	-	16,7M
Brightness	400 cd/m²	250 cd/m²
Contrast Ratio	700:1	1.000:1
Response Time	-	14 ms (max. 25 ms)
Viewing Angle	160°/140° (H/V)	178°/178° (H/V)
ScanFrequency	-	Hor.: 30 to 80 KHz; Ver.: 55 to 75 Hz
Anti Reflection Glass	-	-
Strengthened Glass	-	x
MTBF	-	min. 30.000 hours
TouchScreen	-	-
Keypad	-	Power, Menu, Source, Up, Down, Right, Left
Mounting System	VESA	VESA
Graphic Interface	BNC	1x 15-pin D-Sub VGA/CRT, (optional) DVI, (optional) HDMI, (optional) S-Video, 1x RCA Jack Composite/CVBS, (optional) BNC
Interface COM	1x RS232	-
Video Input	2x (1x BNC, 1x Video-Zweidraht)	PAL-Video
Resolution	-	1.280 x 1.024 @ 60 Hz
Format NTSC	-	(optional)
Format PAL	-	x
Format RGB	-	Amplitude: 0,7 ± 0,05V; Input Impedance: 75 ± 2% ohms
Input Voltage Nominal	24VDC	-
Input Voltage Min/Max	9 bis 36 VDC	10 to 32VDC
Input Current	-	20W ± 10%
Operating Temperature	-25°C bis 85°C	-10°C to 60°C
Storage Temperature	-30°C bis 85°C	-20°C to 60°C
Relative Humidity	< 90%	10% to 90% RH @ Ta <40°, non-condensing
Protection	IP40	Shock & Vibration
Certification	EN50155 (Railway)	CE, e1 (Vehicle), EN50155 (Railway), RoHS
Dimensions	384 x 299 x 70.3 mm (B x H x T)	456 x 376,4 x 55 mm (W x H x D)
Weight	-	7,8Kg
Material	Aluminium/Stahlblech	-
Typ. Application	Railway	Industrial, Automotive, Railway

Bestellinformation	Artikel-Nr. DMVC1025-1 DeltaVarioMon 15" Railway EN50155 Einbauversion, Videomonitor 1x Koaxeing. (BNC), Powersupply 24VDC	Artikel-Nr. DMVC1040 DeltaVarioMon 19" Railway EN 50155, 1.280 x 1.024 resolution, 250 cd/m², VGA + PAL-Video
		Artikel-Nr. DMVC1040-1 DeltaVarioMon 19" Railway EN 50155 w/ Light Sensor, 1.280 x 1.024 resolution, 250 cd/m², VGA + PAL-Video

DELTA COMPONENTS GmbH

Auweg 27 * D-79761 Waldshut-Tiengen

Tel.: +49 (0) 7751 / 8399-0

Fax: +49 (0) 7751 / 8399-99

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<https://www.delta-components.de>

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