

Technical data

General features

DL-MUX SERIES		
No. of video sources	per computer/console:	▸ see specific features
Console	Connections per device:	1
	Connection:	directly at device
Interfaces for console	Video:	▸ see specific features
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
	USB 2.0 devices:	2 × USB-A socket
	Audio:	1 × 3,5-mm jack plug (speaker)
	external switch:	1 × RS232 socket
Computer	Connections per device:	4
	Connection:	with optional cable sets at device
Interfaces per computer	Video:	▸ see specific features
	PS/2:	1 × PS/2 socket
	USB:	2 × USB-B socket
	Audio:	1 × 3,5-mm jack (Line In)
Other interfaces	Network:	2 × RJ45 socket
	Service:	1 × Mini-USB-B socket
Video	Signal Type:	DVI-I (analog and digital video)
	Colour depth:	24 Bit
	DDC:	Enhanced Display Data Channel
	Mixed mode:	supported (digital/analog)
Analog video processing	Videobandwidth:	max. 400 MHz
	Max. resolution:	max. 1920 × 1440 @ 75 Hz
	Vertical frequency:	20 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 135 kHz

Digital video processing	Videobandwidth:	max. 330 MP / s
	Max. resolution:	▪ 2560 × 1600 @ 60Hz ▪ 4096 × 2160 @ 30Hz (UHD-4K)
	Exemplary resolutions:	per video channel: ▪ 2048 × 2048 @ 60Hz ▪ 2048 × 2160 @ 60Hz ▪ 2560 × 1600 @ 60Hz ▪ 3840 × 2160 @ 30Hz (Ultra HD) when using two video channels: ▪ 3840 × 2160 @ 60Hz (Ultra HD) ▪ 4096 × 2160 @ 60Hz nVidia 3D-Vision 120Hz: ▪ 1680 × 1050 @ 120Hz › further standardised resolutions possible
	Vertical frequency:	20 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 185 kHz
Audio	Type:	analog
	Bandwidth:	22 kHz
Main power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Redundant power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Current consumption	max.:	› see specific features
Power consumption	Standby:	› see specific features
	Operation:	› see specific features
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	› see specific features
	Weight:	› see specific features
Operating environment	Temperature:	› see specific features
	Air humidity:	< 80%, non-condensing
Conformity		CE, RoHs

Specific features

DL-MUX		
No. of video sources	per computer/console:	1
Interfaces for console	Video:	1 × DVI-I socket
Interfaces per computer	Video:	1 × DVI-I socket
Current consumption	max.:	100-240VAC/60-50Hz, 0.4-0.2A
Power consumption	Standby:	7,0 W @ 240 VAC; 6,4 W @ 100 VAC
	Operation:	21,8 W @ 240 VAC; 21,7 W @ 100 VAC
Casing	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	approx. 2.3 kg
Operating environment	Temperature:	+5 to +45 °C
DL-MUX-MC2		
No. of video sources	per computer/console:	2
Interfaces for console	Video:	2 × DVI-I socket
Interfaces per computer	Video:	2 × DVI-I socket
Current consumption	max.:	100-240VAC/60-50Hz, 0.5-0.2A
Power consumption	Standby:	9,3 W @ 240 VAC; 8,8 W @ 100 VAC
	Operation:	25,8 W @ 240 VAC; 26,3 W @ 100 VAC
Casing	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	approx. 2.7 kg
Operating environment	Temperature:	+5 to +45 °C

DL-MUX-MC3

No. of video sources	per computer/console:	3
Interfaces for console	Video:	3 × DVI-I socket
Interfaces per computer	Video:	3 × DVI-I socket
Current consumption	max.:	100-240VAC/60-50Hz, 0.6-0.3A
Power consumption	Standby:	12,3 W@ 240 VAC; 11,7 W@ 100 VAC
	Operation:	30,2 W@ 240 VAC; 30,4 W@ 100 VAC
Casing	Dimensions (W × H × D):	435 × 88 × 210 mm
	Weight:	approx. 3.1 kg
Operating environment	Temperature:	+5 to +40 °C

DL-MUX-MC4

No. of video sources	per computer/console:	4
Interfaces for console	Video:	4 × DVI-I socket
Interfaces per computer	Video:	4 × DVI-I socket
Current consumption	max.:	100-240VAC/60-50Hz, 0.7-0.3A
Power consumption	Standby:	15,8 W@ 240 VAC; 15,4 W@ 100 VAC
	Operation:	34,2 W@ 240 VAC; 34,9 W@ 100 VAC
Casing	Dimensions (W × H × D):	435 × 132 × 210 mm
	Weight:	approx. 3.5 kg
Operating environment	Temperature:	+5 to +40 °C

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DL-MUX2-MC2		
No. of video sources	per computer/console:	2
Console	Connections per device:	1
	Connection:	directly at device
Interfaces for console	Video:	2 × DVI-I socket
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
	USB 2.0 devices:	2 × USB-A socket
	Audio:	1 × 3,5-mm jack plug (speaker)
	external switch:	1 × RS232 socket
Computer	Connections per device:	2
	Connection:	with optional cable sets at device
Interfaces per computer	Video:	2 × DVI-I socket
	PS/2:	1 × PS/2 socket
	USB:	2 × USB-B socket
	Audio:	1 × 3,5-mm jack (Line In)
Other interfaces	Network:	2 × RJ45 socket
	Service:	1 × Mini-USB-B socket
Video	Signal Type:	DVI-I (analog and digital video)
	Colour depth:	24 Bit
	DDC:	Enhanced Display Data Channel
	Mixed mode:	supported (digital/analog)
Digital video processing	Videobandwidth:	max. 330 MP / s
	Max. resolution:	▪ 2560 × 1600 @ 60 Hz ▪ 4096 × 2160 @ 30 Hz (UHD-4K)
	Exemplary resolutions:	per video channel: ▪ 2048 × 2048 @ 60 Hz ▪ 2048 × 2160 @ 60 Hz ▪ 2560 × 1600 @ 60 Hz ▪ 3840 × 2160 @ 30 Hz (Ultra HD)
		when using two video channels: ▪ 3840 × 2160 @ 60 Hz (Ultra HD) ▪ 4096 × 2160 @ 60 Hz
		nVidia 3D-Vision 120 Hz: ▪ 1680 × 1050 @ 120 Hz
		▸ further standardised resolutions possible
	Vertical frequency:	20 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 185 kHz

Analog video processing	Videobandwidth:	max. 400 MHz
	Max. resolution:	max. 1920 × 1440 @ 75 Hz
	Vertical frequency:	20 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 135 kHz
Audio	Type:	analog
	Bandwidth:	22 kHz
Main power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Redundant power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Current consumption	max.:	100-240VAC/60-50Hz, 0.5-0.2A
Power consumption	Standby:	8,4W@240VAC; 7,8W@100VAC
	Operation:	23W@240VAC; 23W@100VAC
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	approx. 2.7 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80%, non-condensing
Conformity		CE, RoHS

Technical data

DL-MUX2-DP1.2-MC2

No. of video sources	per computer/console:	2
Console	Connections per device:	1
	Connection:	directly at device
Interfaces for console	Video:	2 × DisplayPort jack
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
	USB 2.0 devices:	2 × USB-A socket
	Audio:	1 × 3,5-mm jack plug (speaker)
	external switch:	1 × RS232 socket
Computer	Connections per device:	2
	Connection:	with optional cable sets at device
Interfaces per computer	Video:	2 × DisplayPort jack
	PS/2:	1 × PS/2 socket
	USB:	2 × USB-B socket
	Audio:	1 × 3,5-mm jack (Line In)
Other interfaces	Network:	2 × RJ45 socket
	Service:	1 × Mini-USB-B socket
Graphics	Signal input:	DisplayPort 1.2a (LBR, HBR, HBR2, SST, MST)
	Signal output:	DisplayPort 1.2a (LBR, HBR, HBR2, SST, MST)
	Colour depth:	24 Bit
	Exemplary resolutions:	▪ 4096 × 2160 @ 60 Hz (4K/60 Hz) ▪ 3840 × 2160 @ 60 Hz (Ultra-HD/60 Hz) ▪ 2560 × 1600 @ 60 Hz ▪ 1920 × 1200 @ 60 Hz ▪ 2048 × 2048 @ 60 Hz (2K x 2K)
		▸ More standardized resolutions within the max. pixelrate and refresh rate between 24 and 120 Hz possible.
	Pixelrate:	25 MPixel/s to 600 MPixel/s
	Pixel coding:	RGB 4:4:4 with 24 bpc/8 bpc
	E-EDID:	E-EDID support via DP-AUX channel (incl. DDC/CI)
Audio ▸ DisplayPort Digital	Transmission type:	transparent (e. g. 2 channel LPCM, stereo)
Audio	Type:	analog
	Bandwidth:	22 kHz

Technical data

Main power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Redundant power supply	Type:	internal power pack
	Connection:	IEC plug (IEC-320 C14)
Current consumption	max.:	100-240V/60-50Hz/0.5-0.3A
Power consumption	Standby:	5,5W@240VAC; 4,1W@100VAC
	Operation:	27,6W@240VAC; 27W@100VAC
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	approx. 2.6 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80%, non-condensing
Conformity		CE, RoHs

Technical data

No. of video sources	Per computer/console:	2
Console	Connections per device:	1
	Connector:	Directly at device
Console interfaces	Video:	2 × DVI-I socket
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
	USB 2.0 devices:	2 × USB-A socket
	Audio:	1 × 3,5-mm jack socket (Speaker)
	External switch:	1 × RS232 socket
Rechner	Connections per device:	4
	Connector:	With optional cable set at device
Interfaces per computer	Video:	2 × DVI-I socket
	PS/2:	1 × PS/2 socket
	USB:	2 × USB-B socket
	Audio:	1 × 3,5-mm jack socket (Line In)
Other interfaces	Network:	2 × RJ45 socket
	Service:	1 × Mini-USB-B socket
Video	Signal type:	DVI-I (analog and digital video)
	Video resolution (digital):	Max. 2560 × 1600 @ 60 Hz
	Video resolution (analog):	Max. 1920 × 1440 @ 75 Hz
	Colour mode digital:	24 Bit
	DDC:	Enhanced Display Data Channel
	Mixed mode:	Supported (digital/analog)
Audio	Type:	Analog
	Bandwidth:	22 kHz
Main power supply	Type:	External power pack
	Connector:	4 pin Mini-DIN socket
	Voltage:	12V DC
	Current consumption:	1.9 A
Redundant power supply	Type:	External power pack
	Connector:	4 pin Mini-DIN socket
	Voltage:	12V DC
	Stromaufnahme:	1.9 A

Model-specific installation instructions

Housing	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	Approx. 2.7 kg
Operational environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80%, non-condensing
Conformity		CE, RoHs