

# Technical data

## General features of the series

<b>DL-DVI-MUX2-NT SERIES</b>		
<b>Number of video sources</b>	Per computer/workstation:	▸ See variant features
<b>Workstation</b>	Connectors per device:	1
	Connection:	Directly on the device
<b>Interfaces for workstation</b>	Video:	▸ See variant features
	PS/2 keyboard/mouse	1 × PS/2 socket ▸ Adapter for additional PS/2 interface available
	USB keyboard/mouse:	2 × USB A socket
	USB 3.0 devices:	2 × USB A socket
	Audio:	1 × 3.5 mm jack plug (speakers)
	External switch:	1 × RS232 socket
<b>Computer</b>	Connectors per device:	2
	Connection:	With optional cable sets on the device
<b>Interfaces per computer</b>	Video:	▸ See variant features
	PS/2:	1 × PS/2 socket ▸ Adapter for additional PS/2 interface available
	USB:	1 × USB B socket
	USB 3.0:	1 × USB B socket
	Audio:	1 × 3.5 mm jack plug (line in)
<b>Other interfaces</b>	Network:	2 × RJ45 socket
	Service:	1 × Mini USB B socket
<b>Audio</b>	Type:	Analogue, transparent
	Resolution:	24 bit digital, stereo
	Sampling rate:	96 kHz
	Bandwidth	22 kHz
<b>USB</b>	Specification:	USB 3.1 Gen 1 (USB 3.0/USB 2.0 compatible)
	Transmission rate:	SuperSpeed 5.0 Gbps (low speed, full speed, hi speed compatible)
	Power (output):	HighPower (0.9A)
	Max. cable length:	<ul style="list-style-type: none"> <li>▪ USB 3.0/USB 3.1: max. 3 m</li> <li>▪ USB 2.0: max. 5 m</li> </ul>

<b>Video</b>	Signal Type:	DVI-I (analog and digital video)	
	Colour depth:	24 Bit	
	DDC:	Enhanced Display Data Channel	
	DDC/CI:	The device is ready to support monitors with a DDC/CI function. The DDC information are transparently forwarded to the monitor to support a maximum number of monitors. However, the support cannot be guaranteed for all monitor models.	
	Mixed mode:	supported (digital/analog)	
<b>Analog video processing</b>	Video bandwidth:	max. 400 MHz	
	Max. resolution:	max. 1920 × 1440 @ 75 Hz	
	Vertical frequency:	20 Hz to 120 Hz	
	Horizontal frequency:	25 kHz to 135 kHz	
<b>Digital video processing</b>	Pixel rate:	25 to 330 MP / s	
	Pixel coding:	RGB 4:4:4 with 24 bpp/8 bpc	
	Max. resolution:	<ul style="list-style-type: none"> <li>▪ 2560 × 1600 @ 60 Hz</li> <li>▪ 4096 × 2160 @ 30 Hz (UHD-4K)</li> </ul>	
	Exemplary resolutions:	per video channel:	<ul style="list-style-type: none"> <li>▪ 2048 × 2048 @ 60 Hz</li> <li>▪ 2048 × 2160 @ 60 Hz</li> <li>▪ 2560 × 1600 @ 60 Hz</li> <li>▪ 3840 × 2160 @ 30 Hz (Ultra HD)</li> </ul>
		when using two video channels:	<ul style="list-style-type: none"> <li>▪ 3840 × 2160 @ 60 Hz (Ultra HD)</li> <li>▪ 4096 × 2160 @ 60 Hz</li> </ul>
		nVidia 3D-Vision 120 Hz:	<ul style="list-style-type: none"> <li>▪ 1680 × 1050 @ 120 Hz</li> </ul>
			<ul style="list-style-type: none"> <li>▸ Other standard resolutions within the pixel rate and refresh rates possible.</li> </ul>
	Vertical frequency:	20 Hz to 120 Hz	
Horizontal frequency:	25 kHz to 135 kHz		
<b>Main power supply</b>	Type:	Internal power pack	
	Connection:	IEC plug (IEC-320 C14)	
<b>Redundant power supply</b>	Type:	Internal power pack	
	Connection:	IEC plug (IEC-320 C14)	
<b>Power consumption</b>	Maximum:	▸ see variant features	
<b>Operating environment</b>	Temperature:	+5°C to +45°C	
	Air humidity:	< 80%, non-condensing	
<b>Conformity</b>		CE, RoHS	

## Individual variant features

<b>DL-DVI-MUX2-NT</b>		
<b>Number of video sources</b>	Per computer/ workstation:	1
<b>Interfaces for workstation</b>	Video:	1 × DVI-I socket
<b>Interfaces per computer</b>	Video:	1 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,3 A@240VAC; 0,5 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	Approx. 2.5 kg
<b>DL-DVI-MUX2-NT-MC2</b>		
<b>Number of video sources</b>	Per computer/ workstation:	2
<b>Interfaces for workstation</b>	Video:	2 × DVI-I socket
<b>Interfaces per computer</b>	Video:	2 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,3 A@240VAC; 0,5 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	Approx. 2.8 kg

# Technical data

## General features of the series

<b>DL-DVI-MUX4-NT SERIES</b>		
<b>Number of video sources</b>	Per computer/workstation:	▸ See variant features
<b>Workstation</b>	Connectors per device:	1
	Connection:	Directly on the device
<b>Interfaces for workstation</b>	Video:	▸ See variant features
	PS/2 keyboard/mouse	1 × PS/2 socket ▸ Adapter for additional PS/2 interface available
	USB keyboard/mouse:	2 × USB A socket
	USB 3.0 devices:	2 × USB A socket
	Audio:	1 × 3.5 mm jack plug (speakers)
	External switch:	1 × RS232 socket
<b>Computer</b>	Connectors per device:	4
	Connection:	With optional cable sets on the device
<b>Interfaces per computer</b>	Video:	▸ See variant features
	PS/2:	1 × PS/2 socket ▸ Adapter for additional PS/2 interface available
	USB:	1 × USB B socket
	USB 3.0:	1 × USB B socket
	Audio:	1 × 3.5 mm jack plug (line in)
<b>Other interfaces</b>	Network:	2 × RJ45 socket
	Service:	1 × Mini USB B socket
<b>Audio</b>	Type:	Analogue, transparent
	Resolution:	24 bit digital, stereo
	Sampling rate:	96 kHz
	Bandwidth	22 kHz
<b>USB</b>	Specification:	USB 3.1 Gen 1 (USB 3.0/USB 2.0 compatible)
	Transmission rate:	SuperSpeed 5.0 Gbps (low speed, full speed, hi speed compatible)
	Power (output):	HighPower (0.9A)
	Max. cable length:	<ul style="list-style-type: none"> <li>▪ USB 3.0/USB 3.1: max. 3 m</li> <li>▪ USB 2.0: max. 5 m</li> </ul>

<b>Video</b>	Signal Type:	DVI-I (analog and digital video)	
	Colour depth:	24 Bit	
	DDC:	Enhanced Display Data Channel	
	DDC/CI:	The device is ready to support monitors with a DDC/CI function. The DDC information are transparently forwarded to the monitor to support a maximum number of monitors. However, the support cannot be guaranteed for all monitor models.	
	Mixed mode:	supported (digital/analog)	
<b>Analog video processing</b>	Video bandwidth:	max. 400 MHz	
	Max. resolution:	max. 1920 × 1440 @ 75 Hz	
	Vertical frequency:	20 Hz to 120 Hz	
	Horizontal frequency:	25 kHz to 135 kHz	
<b>Digital video processing</b>	Pixel rate:	25 to 330 MP / s	
	Pixel coding:	RGB 4:4:4 with 24 bpp/8 bpc	
	Max. resolution:	<ul style="list-style-type: none"> <li>▪ 2560 × 1600 @ 60 Hz</li> <li>▪ 4096 × 2160 @ 30 Hz (UHD-4K)</li> </ul>	
	Exemplary resolutions:	per video channel:	<ul style="list-style-type: none"> <li>▪ 2048 × 2048 @ 60 Hz</li> <li>▪ 2048 × 2160 @ 60 Hz</li> <li>▪ 2560 × 1600 @ 60 Hz</li> <li>▪ 3840 × 2160 @ 30 Hz (Ultra HD)</li> </ul>
		when using two video channels:	<ul style="list-style-type: none"> <li>▪ 3840 × 2160 @ 60 Hz (Ultra HD)</li> <li>▪ 4096 × 2160 @ 60 Hz</li> </ul>
		nVidia 3D-Vision 120 Hz:	<ul style="list-style-type: none"> <li>▪ 1680 × 1050 @ 120 Hz</li> </ul>
			<ul style="list-style-type: none"> <li>▸ Other standard resolutions within the pixel rate and refresh rates possible.</li> </ul>
	Vertical frequency:	20 Hz to 120 Hz	
Horizontal frequency:	25 kHz to 135 kHz		
<b>Main power supply</b>	Type:	Internal power pack	
	Connection:	IEC plug (IEC-320 C14)	
<b>Redundant power supply</b>	Type:	Internal power pack	
	Connection:	IEC plug (IEC-320 C14)	
<b>Power consumption</b>	Maximum:	▸ see variant features	
<b>Operating environment</b>	Temperature:	+5°C to +45°C	
	Air humidity:	< 80%, non-condensing	
<b>Conformity</b>		CE, RoHS	

## Individual variant features

<b>DL-DVI-MUX4-NT</b>		
<b>Number of video sources</b>	Per computer/ workstation:	1
<b>Interfaces for workstation</b>	Video:	1 × DVI-I socket
<b>Interfaces per computer</b>	Video:	1 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,3 A@240VAC; 0,5 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	Approx. 2.5 kg
<b>DL-DVI-MUX4-NT-MC2</b>		
<b>Number of video sources</b>	Per computer/ workstation:	2
<b>Interfaces for workstation</b>	Video:	2 × DVI-I socket
<b>Interfaces per computer</b>	Video:	2 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,3 A@240VAC; 0,5 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 66 × 210 mm
	Weight:	Approx. 2.9 kg
<b>DL-DVI-MUX4-NT-MC3</b>		
<b>Number of video sources</b>	Per computer/ workstation:	3
<b>Interfaces for workstation</b>	Video:	3 × DVI-I socket
<b>Interfaces per computer</b>	Video:	3 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,4 A@240VAC; 0,6 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 88 × 210 mm
	Weight:	Approx. 3.3 kg

**DL-DVI-MUX4-NT-MC4**

<b>Number of video sources</b>	Per computer/ workstation:	4
<b>Interfaces for workstation</b>	Video:	4 × DVI-I socket
<b>Interfaces per computer</b>	Video:	4 × DVI-I socket
<b>Power supply</b>	Power consumption:	0,4 A@240VAC; 0,6 mA@100VAC
<b>Housing</b>	Material:	Anodised aluminium
	Dimensions (W × H × D):	435 × 132 × 210 mm
	Weight:	Approx. 3.8 kg