

Technical data

General features of the series

DVI-VISION-CAT SERIES		
Interfaces for computers	Video:	▸ see specific features
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	1 × USB-B socket
	Audio:	3.5-mm jack plug (Line In) 3.5-mm jack plug (Line Out)
	USB 2.0:	▸ Variant -ARU Shared transmission of signals of USB devices as well as keyboard and mouse via USB-B socket.
		▸ Variant -ARU2 1 × USB-B socket
	RS232:	1 × RS232 socket
Interfaces for remote console	Monitor:	▸ see specific features
	PS/2 keyboard/mouse:	2 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
	Generic-HID:	1 × USB-A socket
	Audio:	3.5-mm jack plug (Speaker) 3.5-mm jack plug (Micro In)
	USB 2.0:	2 × USB-A socket (front panel)
	▸ Variants -ARU and -ARU2	2 × USB-A socket (back panel)
	RS232:	1 × RS232 plug
Interfaces for local console	Monitor:	▸ see specific features
	PS/2 keyboard:	1 × PS/2 socket
	USB keyboard/mouse:	2 × USB-A socket
Other interfaces	Connection to network:	1 × RJ 45 socket
	Service:	1 × Mini-USB socket (type B)
Audio	Transmission type:	transparent, bidirectional
	Resolution:	24 bit digital, Stereo
	Sampling rate:	96 kHz
	Bandwidth:	22 kHz
RS232	Transmission type:	transparent
	Transmission rate:	max. 115.200 bit/s
	Supported signals:	RxD, TxD, RTS, CTS, DTR, DSR, DCD

DVI-VISION-CAT SERIES

Graphics	Colour depth:	24 Bit
	Max. resolution @ 60 Hz:	1920 × 1200 pixels
	Max. resolution @ 85 Hz:	1280 × 1024 pixels
	Exemplary resolutions:	▪ 1920 × 1200 @ 60Hz ▪ 1920 × 1080 @ 60Hz ▪ 1600 × 1200 @ 60Hz ▪ 1280 × 1024 @ 85Hz ‣ Further VESA and CEA standardised resolution possible for video bandwidth/pixel rate and horizontal/vertical frequency.
	Supported Interlace resolutions	▪ 1920 × 1080i @ 60Hz (1080i_60Hz) ▪ 1920 × 1080i @ 50Hz (1080i_50Hz) ▪ 1440 × 576i @ 50Hz (576i_50Hz) ▪ 1440 × 480i @ 60Hz (480i_60Hz) ‣ Only the listed Interlace formats are supported.
	Pixel rate:	25 MHz to 165 MHz
	Vertical frequency:	24 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 130 kHz
USB 2.0 full speed ‣ -ARU variant	Specification:	USB 2.0
	Transmission type:	transparent
	Supported devices:	high power devices (up to 500 mA)
	Range:	max. 140 meters
USB 2.0 high speed ‣ -ARU2 variant	Specification:	USB 2.0
	Transmission type:	transparent
	Transmission rate:	max. 480 Mbit/s
	Supported devices:	high power devices (up to 500 mA)
	Range:	max. 100 meters
Main power supply	Type:	internal power pack
	Connector:	IEC plug (IEC-320 C14)
	Voltage:	AC100-240V/60-50Hz
Redundant power supply	Type:	external power pack
	Connector:	miniDIN-4 Power socket
	Voltage:	+12VDC

Specific features of single-channel devices

DVI-VISION-CAT-CPU		
Interfaces for local console	Monitor:	1 × DVI-I socket
Interfaces for computer	Video:	1 × DVI-D socket
Interfaces to user module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are transmitted via this cable.	1 × RJ 45 socket
	USB 2.0: ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -UC variant	1 × RJ 45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	‣ -AR and -ARU variants 210 × 44 × 210 mm (Desktop) 19" × 1 U × 210 mm (Rackmount)
		‣ -ARU2 variant 270 × 44 × 210 mm (Desktop) 19" × 1 U × 210 mm (Rackmount)
	Weight:	approx. 1.4 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing
DVI-VISION-CAT-CON		
Interfaces for remote console	Monitor:	1 × DVI-I socket
Interface to computer module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are additionally transmitted via this cable.	1 × RJ 45 socket
	USB 2.0 ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -CON-2 variant	1 × RJ 45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	210 × 44 × 210 mm (Desktop) 19" × 1 U × 210 mm (Rackmount)
	Weight:	approx. 1.4 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing

Specific features of multi-channel devices

DVI-VISION-CAT-MC2-CPU		
Interfaces for local console	Monitor:	2 × DVI-I socket
Interfaces for computer	Video:	1 × DVI-D socket 1 × DVI-I socket (DVI-D function)
Interfaces to user module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are transmitted via this cable.	2 × RJ 45 socket
	USB 2.0 ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -UC variant	1 × RJ 45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm
	Weight:	approx. 1.7 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing
DVI-VISION-CAT-MC2-CON		
Interfaces for remote console	Monitor:	2 × DVI-I socket
Interface to computer module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are additionally transmitted via this cable.	2 × RJ 45 socket
	USB 2.0 ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -CON-2 variant	1 × RJ 45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm
	Weight:	approx. 1.7 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing

DVI-VISION-CAT-MC4-CPU		
Interfaces for local console	Monitor:	4 × DVI-I socket
Interfaces to computer	Video:	1 × DVI-D socket 3 × DVI-I socket (DVI-D function)
Interfaces to user module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are transmitted via this cable.	4 × RJ 45 socket
	USB 2.0 ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -UC variant	1 × RJ 45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	approx. 2.6 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing
DVI-VISION-CAT-MC4-CON		
Interfaces for remote console	Monitor:	4 × DVI-I socket
Interface to computer module	KVM, Audio and RS232: ‣ When using the -ARU variant the signals of USB 2.0 devices are additionally transmitted via this cable.	4 × RJ 45 socket
	USB 2.0 ‣ -ARU2 variant	1 × RJ 45 socket
	Transmission 2: ‣ -CON-2 variant	1 × RJ 45 socket
Casing	Materialien:	anodised aluminium
	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	approx. 2.5 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing

Current and power consumption

Main power supply

Device variant	Current consumption	Power consumption (max.)
AR-CPU	100-240V, 60-50Hz, 0.3-0.2A	11,6 W
AR-CPU-UC	100-240V, 60-50Hz, 0.3-0.2A	12,4 W
AR-CON	100-240V, 60-50Hz, 0.3-0.2A	14,1 W
AR-CON-2	100-240V, 60-50Hz, 0.3-0.2A	14,9 W
ARU-CPU	100-240V, 60-50Hz, 0.3-0.2A	12,1 W
ARU-CPU-UC	100-240V, 60-50Hz, 0.3-0.2A	12,9 W
ARU-CON	100-240V, 60-50Hz, 0.5-0.3A	26,9 W
ARU-CON-2	100-240V, 60-50Hz, 0.5-0.4A	27,7 W
ARU2-CPU	100-240V, 60-50Hz, 0.3-0.2A	13,6 W
ARU2-CON	100-240V, 60-50Hz, 0.5-0.3A	28,1 W
MC2-AR-CPU	100-240V, 60-50Hz, 0.3-0.2A	17,4 W
MC2-AR-CON	100-240V, 60-50Hz, 0.4-0.2A	19,6 W
MC2-ARU-CPU	100-240V, 60-50Hz, 0.3-0.2A	17,9 W
MC2-ARU-CON	100-240V, 60-50Hz, 0.6-0.3A	26,9 W
MC2-ARU2-CPU	100-240V, 60-50Hz, 0.4-0.2A	19,4 W
MC2-ARU2-CON	100-240V, 60-50Hz, 0.6-0.3A	33,6 W
MC4-AR-CPU	100-240V, 60-50Hz, 0.5-0.3A	30,1 W
MC4-AR-CON	100-240V, 60-50Hz, 0.6-0.3A	31,4 W
MC4-ARU-CPU	100-240V, 60-50Hz, 0.5-0.3A	30,6 W
MC4-ARU-CON	100-240V, 60-50Hz, 0.6-0.3A	44,2 W
MC4-ARU2-CPU	100-240V, 60-50Hz, 0.6-0.3A	32,1 W
MC4-ARU2-CON	100-240V, 60-50Hz, 0.9-0.4A	45,4 W

Redundant power supply

Device variant	Current consumption	Power consumption (max.)
AR-CPU	12VDC/0.9A	10,0 W
AR-CPU-UC	12VDC/0.9A	10,7 W
AR-CON	12VDC/1.1A	12,3 W
AR-CON-2	12VDC/1.2A	14,9 W
ARU-CPU	12VDC/0.9A	10,4 W
ARU-CPU-UC	12VDC/0.9A	11,1 W
ARU-CON	12VDC/2.1A	23,4 W
ARU-CON-2	12VDC/2.2A	24,1 W
ARU2-CPU	12VDC/1.1A	11,7 W
ARU2-CON	12VDC/2.1A	24,4 W
MC2-AR-CPU	12VDC/1.4A	15,0 W
MC2-AR-CON	12VDC/1.5A	17,1 W
MC2-ARU-CPU	12VDC/1.4A	15,4 W
MC2-ARU-CON	12VDC/2.5A	23,4 W
MC2-ARU2-CPU	12VDC/1.5A	16,7 W
MC2-ARU2-CON	12VDC/2.6A	29,2 W
MC4-AR-CPU	12VDC/2.3A	25,9 W
MC4-AR-CON	12VDC/2.4A	27,3 W
MC4-ARU-CPU	12VDC/2.3A	26,3 W
MC4-ARU-CON	12VDC/3.4A	38,4 W
MC4-ARU2-CPU	12VDC/2.5A	27,6 W
MC4-ARU2-CON	12VDC/3.5A	39,5 W