

Technical data

General features of the series

DP-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: ▸ Variant -ARU and -ARU2	2 × USB-A socket (front panel) 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

DP-VISION-CAT SERIES

Graphics	Format:	DisplayPort (DP 1.1a)
	Colour depth:	24 Bit
	Video bandwidth:	25 to 300 MP / s, DisplayPort 4 Lanes, HBR 2.7 Gbps
	Max. resolution:	2560 × 1600 (60 Hz) 4096 × 2160 (30 Hz)
	Exemplary resolutions:	4096 × 2160 (24 or 25 Hz) 3840 × 2160 (24, 25 or 30 Hz) 2048 × 2160 (60 Hz) 2048 × 2048 (60 Hz) ▸ Further VESA and CEA standardised resolution possible for video bandwidth/pixel rate and horizontal/vertical frequency.
	Vertical frequency:	24 Hz to 120 Hz
	Horizontal frequency:	25 kHz to 185 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

DP-VISION-CAT-CPU		
Interfaces for local console	Monitor:	1 × DisplayPort jack
Interfaces for computer	Video:	1 × DisplayPort jack
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 × RJ45 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. 1,6 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing
DP-VISION-CAT-CON		
Interfaces for remote console	Monitor:	1 × DisplayPort jack
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 × RJ45 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

DP-VISION-CAT-MC2-CPU		
Interfaces for local console	Monitor:	2 × DisplayPort jack
Interfaces for computer	Video:	2 × DisplayPort jack
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 × RJ45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm
	Weight:	approx. 1,6 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing
DP-VISION-CAT-MC2-CON		
Interfaces for remote console	Monitor:	2 × DisplayPort jack
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 × RJ45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm
	Weight:	approx. 1,6 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing

DP-VISION-CAT-MC4-CPU		
Interfaces for local console	Monitor:	4 × DisplayPort jack
Interfaces to computer	Video:	4 × DisplayPort jack
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 × RJ45 socket
Casing	Material:	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
DP-VISION-CAT-MC4-CON		
Interfaces for remote console	Monitor:	4 × DisplayPort jack
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 × RJ45 socket
Casing	Materialien:	anodised aluminium
	Dimensions (W × H × D):	435 × 44 × 210 mm
	Weight:	approx. 2,4 kg
Operating environment	Temperature:	+5 to +45 °C
	Air humidity:	< 80 %, non-condensing

Current consumption

Device variant	Main power supply	Redundant power supply
AR-CPU	100-240V, 60-50Hz, 0.3-0.2A	12VDC/0.9A
AR-CPU-UC	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.0A
AR-CON	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.2A
AR-CON-2	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.3A
ARU-CPU	100-240V, 60-50Hz, 0.3-0.2A	12VDC/0.9A
ARU-CPU-UC	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.0A
ARU-CON	100-240V, 60-50Hz, 0.5-0.3A	12VDC/2.1A
ARU-CON-2	100-240V, 60-50Hz, 0.5-0.4A	12VDC/2.2A
ARU2-CPU	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.1A
ARU2-CON	100-240V, 60-50Hz, 0.5-0.3A	12VDC/2.2A
MC2-AR-CPU	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.4A
MC2-AR-CON	100-240V, 60-50Hz, 0.4-0.2A	12VDC/1.6A
MC2-ARU-CPU	100-240V, 60-50Hz, 0.3-0.2A	12VDC/1.4A
MC2-ARU-CON	100-240V, 60-50Hz, 0.6-0.3A	12VDC/2.6A
MC2-ARU2-CPU	100-240V, 60-50Hz, 0.4-0.2A	12VDC/1.6A
MC2-ARU2-CON	100-240V, 60-50Hz, 0.6-0.3A	12VDC/2.7A
MC4-AR-CPU	100-240V, 60-50Hz, 0.5-0.3A	12VDC/2.4A
MC4-AR-CON	100-240V, 60-50Hz, 0.6-0.3A	12VDC/2.6A
MC4-ARU-CPU	100-240V, 60-50Hz, 0.5-0.3A	12VDC/2.4A
MC4-ARU-CON	100-240V, 60-50Hz, 0.6-0.3A	12VDC/3.5A
MC4-ARU2-CPU	100-240V, 60-50Hz, 0.6-0.3A	12VDC/2.6A
MC4-ARU2-CON	100-240V, 60-50Hz, 0.6-0.4A	12VDC/3.6A