

12 Specifications

12.1 CATVision

Video

- Resolution: max 1920 x 1440 pixels (depending on cable and video signal)
- Transmitting distance: 10 to 300 m (max value, depending on resolution, cable and video signal)
- Transmittable signals: RGBHV, RGsB or RsGsBs

Keyboard / Mouse

(ON COMPUTER + USER SIDE)

- Port/Transmission: USB, PS/2 / serial Mouse / Intelli-Mouse,
via adaptor: Sun, MAC
Mixed operation possible

RS232 (optional)

- Transmission rate: up to 100 meter: max 57600 bits/sec
up to 200 meter: max 38400 bits/sec
- Transmittable signals: TxD, RxD, RTS, CTS, DTR, DSR

Audio (optional)

- Resolution: 18 Bit digital
- Scan rate: 48 kHz
- Band width: 22 kHz
- Microphone preamplification: 20dB

USB 1.1 (optional)

- Transmitting distance: 200 meter
- Support: High power devices (up to 500 mA)
- Transmission rate: up to 12 Mbits/s

Transmitting cable: CAT-x cable or higher (x = 5, 6, 7)

Size:

(W x H x D in mm)

CATVision-CPU
210 x 44 x 210 (19" / 1 unit)

CATVision-CON
210 x 44 x 210 (19" / 1 unit)

Weight:**CATVision-CPU**

without USB 1,20 kg
with USB 1,28 kg

CATVision-CON

without USB 1,10 kg
with USB 1,18 kg

Power supply:

- Main: 100 – 240 V primary
50 – 60 Hz
- Redundant: DC 12V
5 A

Current consumption (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-CPU	140 mA	82 mA	600 mA
CATVision-CON	240 mA	100 mA	900 mA

Power consumption (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-CPU	9,08 W	9,78 W	7,2 W
CATVision-CON	11,38 W	11,46 W	9,96 W

Heat dissipation (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-CPU	9,08 W	9,78 W	7,2 W
CATVision-CON	11,38 W	11,46 W	9,96 W

Temperature range:

Operation: 5 to 40° C
rel. air moisture < 80%, non precipitate

Storage: - 10 to 55°C, < 85 % Air moisture

12.2 CATVision-MC

Video

- Resolution: max 1920 x 1440 pixels (depending on cable and video signal)
- Transmitting distance: 10 to 300 m (max value, depending on resolution, cable and video signal)
- Transmittable signals: RGBHV, RGsB or RsGsBs

Keyboard / Mouse

(ON COMPUTER + USER SIDE)

- Port/Transmission: USB, PS/2 / serial Mouse / Intelli-Mouse, via adaptor: Sun, MAC
Mixed operation possible

RS232 (optional)

- Transmission rate: up to 100 meter: max 57600 bits/sec
up to 200 meter: max 38400 bits/sec
- Transmittable signals: TxD, RxD, RTS, CTS, DTR, DSR

Audio (optional)

- Resolution: 18 Bit digital
- Scan rate: 48 kHz
- Band width: 22 kHz
- Microphone preamplification: 20dB

USB 1.1 (optional)

- Transmitting distance: 200 meter
- Support: High power devices (up to 500 mA)
- Transmission rate: up to 12 Mbits/s

Transmitting cable: CAT-x cable or higher (x = 5, 6, 7)

Size:

(W x H x D in mm)

CATVision-MC 2 (3,4)-CPU; CATVision-MC 3 (4)-CON
Twin CATVision-MC 2-CPU
435 x 44 x 210 (19" / 1 unit)

CATVision-MC2-CON
210 x 44 x 210 (19" / 1 unit)

Weight:**CATVision-MC2-CPU**

without USB 1,90 kg
with USB 1,98 kg

CATVision-MC3-CPU

without USB 2,10 kg
with USB 2,18 kg

CATVision-MC4-CPU

without USB 2,15 kg
with USB 2,23 kg

CATVision-MC2-CON

without USB 1,35 kg
with USB 1,43 kg

CATVision-MC3-CON

without USB 2,00 kg
with USB 2,08 kg

CATVision-MC4-CON

without USB 2,00 kg
with USB 2,08 kg

Power supply:

- Main: 100 – 240 V primary
50 – 60 Hz
- Redundant: DC 12V
5 A

Current consumption (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-MC-CPU	410 mA	200 mA	2 A
CATVision-MC-CON	310 mA	160 mA	1,5 A

Power consumption (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-MC-CPU	26,0 W	26,51 W	21,24 W
CATVision-MC-CON	19,51 W	21,96 W	16,56 W

Heat dissipation (max. values):

	at 100 V (Main)	at 240 V (Main)	at 12 V (red.)
CATVision-MC-CPU	26,0 W	26,51 W	21,24 W
CATVision-MC-CON	19,51 W	21,96 W	16,56 W

Temperature range:

Operation: 5 to 45° C
rel. air moisture < 80%, non precipitate

Storage: - 10 to 55°C, < 85 % Air moisture

Technical Data

General features

CATVISION-USB 2.0 SERIES		
Video	Signal type:	VGA (RGBHV, RGsB, RGBc)
	Video resolution:	max. 1920 x 1440 @ 75 Hz
	Video bandwidth:	250 MHz
	Vertical frequency:	50 Hz to 150 Hz
	Horizontal frequency:	30 kHz to 135 kHz
	Range:	max. 300 meters
USB 2.0	Transmission type:	transparent
	Transmission rate:	up to 480 Mbit/s
	Supported devices:	High-Power-Devices (up to 500 mA)
	Range:	max. 100 meters
Audio ▸ purchasable option	Transmission type:	transparent, bidirectional
	Resolution:	18 bit, digital
	Microphone preamplification:	20 db
	Sampling rate:	48 kHz
	Bandwidth:	22 kHz
RS232 ▸ purchasable option	Transmission type:	transparent
	Transmitted signals:	RxD, TxD, RTS, CTS, DTR, DSR
	Transmission rate:	max. 57.600 bit/s (up to 100 meters); max. 38.400 bit/s (up to 200 meters)
Main power supply	Type:	internal power pack
	Connection:	IEC plug(IEC-320 C14)
	Voltage:	AC 100-240 V/60-50 Hz
Redundant power supply	Type:	eExternal power pack
	Connection:	miniDIN-4 Power socket
	Voltage:	+12 VDC
Operating environment	Temperature:	+5 to +40 °C
	Air humidity:	< 80%, non-condensing
Conformity		CE, RoHS

Individual features of the modules

CATVISION-ARU2-CPU COMPUTER MODULE		
Interfaces for computer	Video: ▸ via connection cable	1 × D-Sub HD 15 socket
	PS/2 keyboard and mouse: ▸ via connection cable	2 × PS/2 socket
	USB:	1 × USB-B socket (keyboard/mouse data) 1 × USB-B socket (transparent)
	Audio: ▸ purchasable option	1 × 3,5-mm jack plug (Line In) 1 × 3,5-mm jack plug (Line Out)
	RS232: ▸ purchasable option	1 × D-Sub 9 socket
Interfaces for local console	Video:	1 × D-Sub HD 15 socket
	PS/2 keyboard and mouse:	2 × PS/2 socket
Interfaces to user module	Mouse/Keyboard data:	1 × RJ45 socket
	USB 2.0 devices:	1 × RJ45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm
CATVISION-ARU2-CON USER MODULE		
Interfaces for console	Monitor:	1 × D-Sub HD 15 socket
	Keyboard:	1 × PS/2 socket 1 × USB-A socket
	Mouse:	1 × PS/2 socket 1 × USB-A socket
	USB 2.0 devices:	4 × USB-A socket (front panel)
	Audio: ▸ purchasable option	1 × 3,5-mm jack plug (Line In) 1 × 3,5-mm jack plug (Micro In) 1 × 3,5-mm jack plug (Speaker)
	RS232: ▸ purchasable option	1 × D-Sub 9 plug
Interfaces to computer module	Mouse/Keyboard data:	1 × RJ45 socket
	USB 2.0 devices:	1 × RJ45 socket
Casing	Material:	anodised aluminium
	Dimensions (W × H × D):	270 × 44 × 210 mm

Current and power consumption

CURRENT CONSUMPTION		
CATVision-ARU2	100 VAC, 60 Hz:	0,2 A (CPU); 0,5 A (CON)
	240 VAC, 50 Hz:	0,1 A (CPU); 0,2 A (CON)
	12 VDC:	0,7 A (CPU); 1,8 A (CON)
POWER CONSUMPTION (MAX.)		
CATVision-ARU2	100 VAC, 60 Hz:	10,2 W (CPU); 24,6 W (CON)
	240 VAC, 50 Hz:	10,8 W (CPU); 24,4 W (CON)
	12 VDC:	07,3 W (CPU); 19,9 W (CON)