Installation and Operating Instructions (EN)

CONVIS 101/30 WXGA
CONVIS 125/30 FullHD
CONVIS 125/60 FullHD
CONVIS 156/30 FullHD

ELEMENT ONE

ELEMENT
ONE

Explanation of symbols

![!]	Important Note
⚠	Caution
🚫	Ban

Dear Customer,

thank you very much for purchasing our product.

Please read this installation and operating instructions carefully and keep them in a safe place.

In this manual we have endeavored to provide you with all the necessary information to enable you to have most success with the products.

Ralf Küchel
Technical Manager / CTO

Table of Contents

Commissioning Date

Date:

Serial No.:

Keep this document for future reference.

Pass on this document when you pass on the device.

Notes

Scope of Supply

- CONVIS 101/30 WXGA | CONVIS 125/30 FullHD | CONVIS 125/60 FullHD | CONVIS 156/30 FullHD
- HDMI cable
- Table power supply - Input: 100-240V AC, 50 / 60Hz. 1.5A; Output: 12V 60W MAX 5.A (Cable length DC ~ 140cm)
- Power cable 1.5m
- Installation and Operating Instructions / Manual
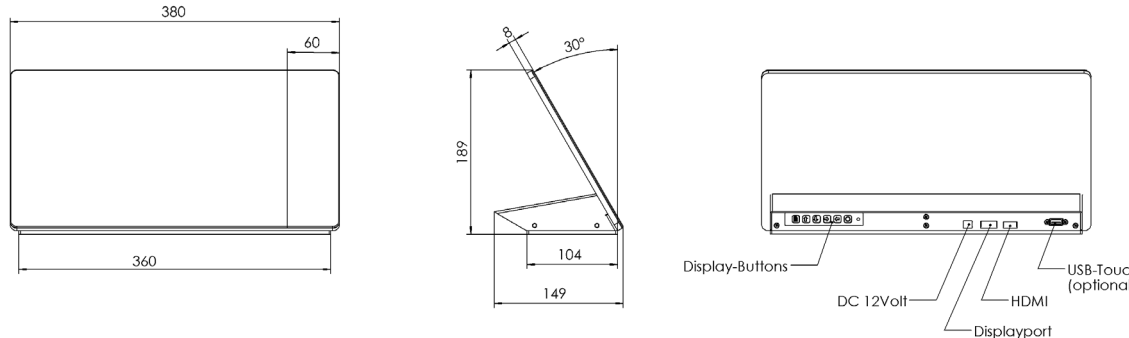
Description

The CONVIS system is a compact conference & desktop monitor with fixed 30° or 60° monitor tilt angle, equipped with a thin BLADE display with flat back, for placing on a horizontal furniture surface.
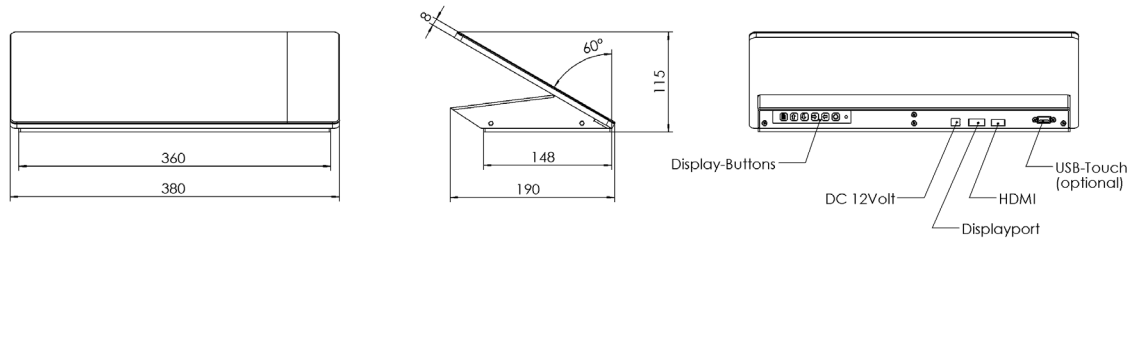
Features

- Ultra-thin BLADE monitor housing 8 mm
- 30° or 60° fixed monitor tilt
- 2 mm anti-reflective safety glass
- Compact housing dimensions
- Milled aluminum, powder coated or anodized
- Monitor housing, steel black powder-coated
- *Optionally* with capacitive multipoint touchscreen
- Passive cooling without ventilation holes
- HDMI HDCP compatible; native WXGA resolution or FullHD resolution
- EMC + EMC protected
- Maintenance free
- 5 year limited warranty

Dimensions CONVIS 125/30 FullHD | CONVIS 125/60 FullHD

ELEMENT ONE GmbH
Zum Murgdamm 5
76456 Kuppenheim
Tel: 07222/96654-0
Fax: 07222/96654-29

Model: ConVis-125

Maßstab 1:5   Stückzahl 1
Schutzvermerk nach
DIN ISO 16016 beachten

Benennung
ConVis-125

Bearb. 15.05.2018 Küchel

Toleranzen:
Soweit nicht anders
angegeben +/- 0,1 mm

Artikel-Nummer   Blatt 1

ELEMENT ONE GmbH
Zum Murgdamm 5
76456 Kuppenheim
Tel: 07222/96654-0
Fax: 07222/96654-29

Model: ConVis-125-60

Maßstab 1:5   Stückzahl 1
Schutzvermerk nach
DIN ISO 16016 beachten

Benennung
ConVis-125-60 Dimensions

Bearb. 19.02.2021 Küchel

Toleranzen:
Soweit nicht anders
angegeben +/- 0,1 mm

Artikel-Nummer   Blatt 1

Dimensions CONVIS 101/30 WXGA | CONVIS 156/30 FullHD

245
235
10
30°
156
105
152

Display-Buttons
DC 12Volt
Displayport
HDMI
USB-Touch (optional)

256mm (10,1 Zoll)

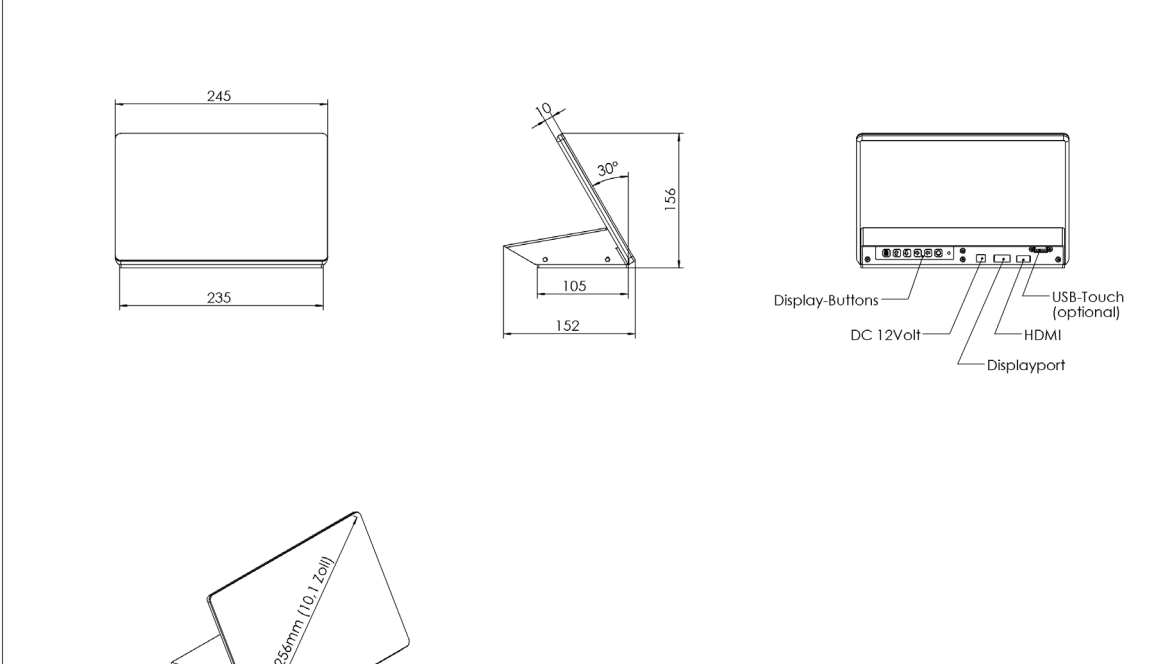ELEMENT ONE GmbH
Zum Murgdamm 5
76456 Kuppenheim
Tel: 07222/96654-0
Fax: 07222/96654-29

Model:
ConVis-101-30

Maßstab 1:5 Stückzahl 1
Schutzvermerk nach
DIN ISO 16016 beachten

Datum | Name
Bearb. 02.06.2023 Küchel
Gepr.
Norm

Benennung
ConVis-101-30 dimensions

Toleranzen:
Soweit nicht anders
angegeben +/- 0,1 mm

Revision:
Werkstoff:
Artikel-Nummer
Blatt 1
1 BL
A-4

390
360
10
30°
221
105
152

Display-Buttons
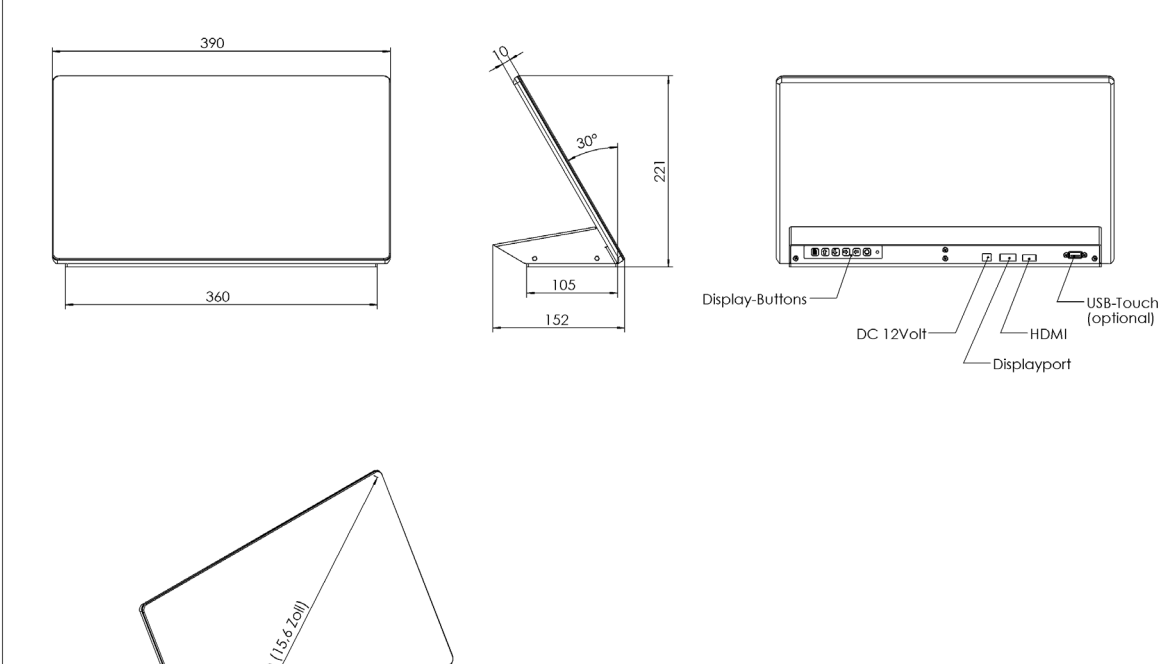DC 12Volt
Displayport
HDMI
USB-Touch (optional)

395mm (15,6 Zoll)

ELEMENT ONE GmbH
Zum Murgdamm 5
76456 Kuppenheim
Tel: 07222/96654-0
Fax: 07222/96654-29

Model:
ConVis-156-30

Maßstab 1:5 Stückzahl 1
Schutzvermerk nach
DIN ISO 16016 beachten

Datum | Name
Bearb. 02.06.2023 Küchel
Gepr.
Norm

Benennung
ConVis-156-30 dimensions

Toleranzen:
Soweit nicht anders
angegeben +/- 0,1 mm

Revision:
Werkstoff:
Artikel-Nummer
Blatt 1
1 BL
A-4

Safety Instructions

 = Important Note

 = Caution

 = Ban

 The device may only be opened in a disconnected state by authorized qualified personnel!

 Let damage and defects be repaired immediately by authorized specialists.

 Do not operate this device with any accessories other than the supplied ones.

 In the event of damage caused by third-party accessories, e.g. power supply unit, or unauthorized attachments or modifications, any warranty and liability claims are excluded.

 To achieve the best image quality and to avoid image distortions, shadowing, image shifts, synchronization errors, etc., use only high-quality cables: at least double-shielded and with control cable according to VESA DDC 1/2 B standard.

 Do not slide sharp or hard objects over the surface, it may be damaged.

 Immediately remove any liquids spilled on the surface with a cloth.

 Do not cover the switched-on display for a longer period of time. Excessive temperatures due to blocked heat emission can lead to defects or a reduced lifetime.

Commissioning

○! = Important Note

⚠ = Caution

⊘ = Ban

General Information

⚠ Note the following settings:

Graphic resolution native:

CONVIS 125/30 FullHD:	FullHD: 1,920 x 1,080 Pixel
CONVIS 125/60 FullHD:	FullHD: 1,920 x 1,080 Pixel
CONVIS 156/30 FullHD:	FullHD: 1,920 x 1,080 Pixel
CONVIS 101/30 WXGA:	WXGA: 1,280 x 800 Pixel

Frame rate = 60 Hz

Higher settings are outside the specification range.

⚠ Stresses on the cables caused by pulling and rubbing against components shorten the lifetime and can lead to damage and malfunctions. The cables should be fastened and laid after commissioning.
The following conditions must be observed:
- Do not fall below minimum radii
- Maintain distances to mounting points and structural elements

⚠ All edges of furniture parts and other objects located in the cable run must be chamfered or rounded in the area of the cables.

⚠ Intense light may affect the image quality.

⚠️ Make sure that no cables are pinched when placing the device.

🛈 Electrical connections should only be carried out when the device is disconnected from the power supply.
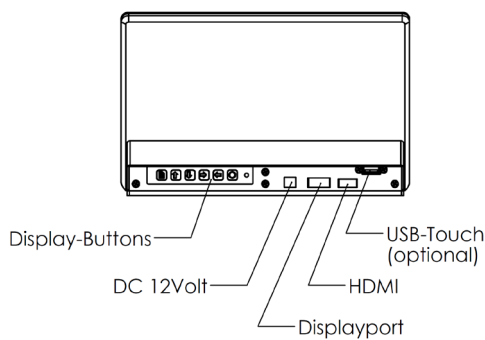

CONVIS 101/30 WXGA | CONVIS 125/30 FullHD | CONVIS 125/60 FullHD | CONVIS 156/30 FullHD

Place the device in the desired location.

- Connect the HDMI cable. Please note the correct recommended specification: Maximum length 2.0 m, 4K @ 60 Hz, minimum HDMI 2.0, data rate 18 Gbit/s
- Connect the DC-adaptor cable to the socket on the housing.
- Connect AC plug of the power supply unit to the mains supply.
- *Optional, only devices with touchscreen:* Connect the touchscreen via USB. Maximum length of cable used 1.8 m, included in scope of delivery.

Perform a functional test and then fix the cables. It is recommended to use an external signal source for this without intermediate devices, such as splitters or extenders.

CONVIS 101/30 WXGA

CONVIS 125/30 FullHD
CONVIS 125/60 FullHD
CONVIS 156/30 FullHD
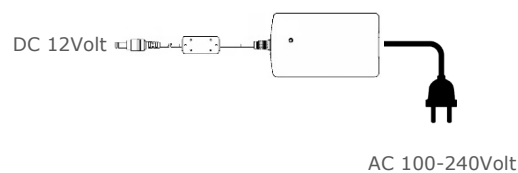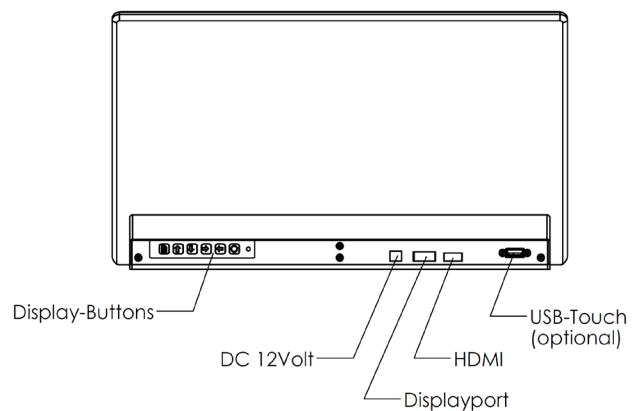
Operation

General Information

⚠️ Make sure that cables and contacts are correctly and firmly connected.

Switch on

- Press the button ⏻ on the display button bar. The display switches on.

- Befindet sich das Gerät im Standby-Modus, schaltet es sich automatisch ein, sobald ein Videosignal anliegt.

Switch off

- Press the button ⏻ on the display button bar. The display switches off.

- As soon as there is no video signal, it automatically switches to standby mode.
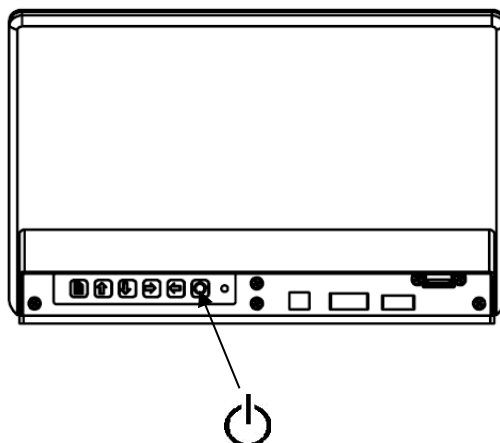
Care Instructions

⨀ = Important Note

⚠ = Caution

🚫 = Ban

⚠ Disconnect the power supply plug before cleaning work!

⨀ To clean the device, use only cloths moistened with water or detergent.

🚫 Do not use abrasive cleaners, alcohol, thinners or similar chemicals.

Display Setting with OSD Buttons / Display Buttons

The OSD buttons are located on the back of the display.

	Control Buttons
📄	Open main menu
⇧	Select Sub-Menu Increase the current value
⇩	Display submenu Decrease the current value
⇨	Navigation
⇦	Navigation
⏻	Display on / off
☼	LED dark = display is switched off green = normal function flashing green = standby mode or signal out of range orange = no signal oder fail safe Mode flashing orange = no signal red = input format is not supported

Technical Specification CONVIS 101/30 WXGA | CONVIS 125/30 FullHD

Article no.	450-101	450-125
Article description	CONVIS 101/30	CONVIS 125/30
Function Description	Compact 10.1" conference & desktop monitor with fixed 30° monitor tilt angle. 8mm thin BLADE display with flat back.	Compact 12.5" conference & desktop monitor with fixed 30° monitor tilt angle. 8mm thin BLADE display with flat back.
Material	MATERIAL: Monitor: Milled aluminum, powder coated RAL 9006 white aluminum metallic fine structure matt, 2 mm anti-reflective real glass pane Stand: Steel, powder coated; black RAL9011 fine structure matt; acrylic glass black, glossy	MATERIAL: Monitor: Milled aluminum, powder coated RAL 9006 white aluminum metallic fine structure matte, silver anodized, 2mm non-reflective real glass Stand: Steel, powder coated; black RAL9011 fine structure matte; acrylic glass black, glossy
Dimensions	DIMENSIONS: 245 x 152 x 156 mm (WxDxH)	DIMENSIONS: 380 x 149 x 189 mm (WxDxH)
Weight	WEIGHT: 1,8 kg	WEIGHT: 2,5 kg
Monitor tilt angle	TILTING ANGLE: fixed 30°.	TILTING ANGLE: fixed 30°.
Monitor Format Specs	MONITOR SPECS: WXGA 10.1" LED backlit TFT, HDCP compatible, Active Matrix RESPONSE TIME: 30 msec (Typ.) POWER CONSUMPTION DISPLAY: OFF: 0.12 Watt Sleep: 0.60 Watt ON: 2.16 Watt	MONITOR SPECS: Full HD 12.5" (16:9) LED backlit TFT, HDCP compatible, Active Matrix, Widescreen format RESPONSE TIME: 30 msec (Typ.) POWER CONSUMPTION DISPLAY: OFF: 0.12 Watt Sleep: 0.60 Watt ON: 2.68 Watt
Brightness monitor	BRIGHTNESS: 300 cd/m²	BRIGHTNESS: 300 cd/m2
Contrast Monitor	CONTRAST: (typ.) 800:1	CONTRAST: (typ.) 600:1
Monitor Resolution	RESOLUTION: 1280 × 800 WXGA, 16.7M colors (6bits + Hi-FRC)	RESOLUTION: 1920x1080 FullHD vert. Pixel RGB strip array, 6-bit, 16.7M colors
Pixel pitch monitor	PIXEL SIZE: 0.0565 × RGB x 0.1695 mm	PIXEL SIZE: 0.048 × RGB× 0.144 mm
Viewing Angle Monitor	VIEWING ANGLE: Horizontal 170° / Vertical 170°	VIEWING ANGLE: Horizontal 170° / Vertical 170°
Viewing area monitor	SIGHTING AREA: 216.96(H) × 135.60(V) mm	SIGHTING AREA: 276.48(H) x 155.52(V) mm
LED Lifetime	LED LIFE: Up to 15,000 hrs.	LED LIFE: Up to 15,000 hrs.
Video Interface	VIDEO INTERFACE: HDMI, DisplayPort	VIDEO INTERFACE: HDMI, DisplayPort
Power consumption	POWER CONSUMPTION: typ. 2.16 watts	POWER CONSUMPTION: 2.68 watts
Warranty	WARRANTY: 5 years on mechanics / 2 years on electronics	WARRANTY: 5 years on mechanics / 2 years on electronics
Scope of delivery	SCOPE OF DELIVERY: Desktop power supply - Input: 100-240V~, 50/60Hz. 1.5A; Output: 12V 5A 60W MAX (Cable length DC ~140cm) IEC cable 1.5m / HDMI connection cable 2 m	SCOPE OF DELIVERY: Desktop power supply - Input: 100-240V~, 50/60Hz. 1.5A; Output: 12V 5A 60W MAX (Cable length DC ~140cm) IEC cable 1.5m / HDMI connection cable 2 m

Technical Specification CONVIS 125/60 FullHD | CONVIS 156/30 FullHD

Article no.	450-125-60	450-156
Article description	CONVIS 125/60	CONVIS 156/30
Function Description	Compact 12.5" conference & desktop monitor with fixed 60° monitor tilt angle. 8mm thin BLADE display with flat back.	Compact 15.6" conference & desktop monitor with fixed 30° monitor tilt angle. 8mm thin BLADE display with flat back.
Material	MATERIAL: Monitor: Milled aluminum, powder coated RAL 9006 white aluminum metallic fine structure matte, silver anodized, 2mm anti-reflective real glass Stand: Steel, powder coated; black RAL9011 fine structure matte; black acrylic glass, glossy	MATERIAL: Monitor: Milled aluminum, powder coated RAL 9006 White Aluminum Metallic fine texture matte, 2mm anti-reflective real glass panel Stand: Steel, powder coated; Black RAL9011 fine texture matte; Acrylic glass black, glossy
Dimensions	DIMENSIONS: 380 x 190 x 115 mm (WxDxH)	DIMENSIONS: 390 x 152 x 221 mm (WxDxH)
Weight	WEIGHT: 2,5 kg	WEIGHT: 3,5 kg
Monitor tilt angle	ANGLE OF TILT: fixed 60	TILTING ANGLE: fixed 30°.
Monitor Format Specs	MONITOR SPECS: Full HD 12.5" (16:9) LED backlit TFT, HDCP compatible, Active Matrix, Widescreen format RESPONSE TIME: 30 msec (Typ.) POWER CONSUMPTION DISPLAY: OFF: 0.12 Watt Sleep: 0.60 Watt ON: 2.68 Watt	MONITOR SPECS: Full HD 15.6" (16:9) LED backlit TFT, HDCP compatible, Active Matrix, Widescreen format RESPONSE TIME: 25 msec (Typ.) POWER CONSUMPTION DISPLAY: OFF: 0.12 Watt Sleep: 0.60 Watt ON: 3.85 Watt
Brightness monitor	BRIGHTNESS: 300 cd/m2	BRIGHTNESS: 300 cd/m2
Contrast Monitor	CONTRAST: (typ.) 600:1	CONTRAST: typ. 1000:1
Monitor Resolution	RESOLUTION: 1920x1080 FullHD vert. Pixel RGB strip array, 6-bit, 16.7M colors	RESOLUTION: 1920 x 1080 - Full HD (16:9), 16.2M colors
Pixel pitch monitor	PIXEL SIZE: 0.048 × RGB× 0.144 mm	PIXEL SIZE: 0.17925 x 0.17925 mm
Viewing Angle Monitor	VIEWING ANGLE: Horizontal 170° / Vertical 170°	VIEWING ANGLE: Horizontal 178° / Vertical 178°.
Viewing area monitor	SIGHTING AREA: 276.48(H) x 155.52(V) mm	SIGHTING AREA: 344.16(H) x 193.59(V) mm
LED Lifetime	LED LIFE: Up to 15,000 hrs.	LED LIFE: up to 30,000 hrs.
Video Interface	VIDEO INTERFACE: HDMI, DisplayPort	VIDEO INTERFACE: HDMI, DisplayPort
Power consumption	POWER CONSUMPTION: 2.68 watts	POWER CONSUMPTION: typ: 3.85 watts
Warranty	WARRANTY: 5 years on mechanics / 2 years on electronics	WARRANTY: 5 years on mechanics / 2 years on electronics
Scope of delivery	SCOPE OF DELIVERY: Desktop power supply - Input: 100-240V~, 50/60Hz. 1.5A; Output: 12V 5A 60W MAX (Cable length DC ~140cm) IEC cable 1.5m / HDMI connection cable 2 m	SCOPE OF DELIVERY: Desktop power supply - Input: 100-240V~, 50/60Hz. 1.5A; Output: 12V 5A 60W MAX (Cable length DC ~140cm) IEC cable 1.5m / HDMI connection cable 2 m

Technical Specification Touchscreen (optional)

Multi Touch Overlay

Compatible with all common capacitive stylus pens.
Capacitive touch sensor

Supported Operating Systems:

WINDOWS: Interface USB/IIC/RS232

- Windows 10
- Windows 8(logo submission required)
- Windows 7
- Windows Vista, XP/2000
- Windows CE.net/5.0/6.0/7.0
- Windows Embedded
- Windows XP Tablet PC Edition

LINUX: Interface USB/IIC/RS232

- Linux distribution based on kernel 2.6.24 and higher.
- CentOS, Ubuntu/Linux, Debian, Fedora, Red Hat, Gentoo, Meego, Slackware, SUSE/openSUSE, Magaie/Mandriva/Mandrake and Yellow Dog etc.
  Support for most 32/64-bit Linux distribution versions, including kernel 2.4.x / 2.6.x / 3.x.x / 4.x.x

Android 2.3 ~ later, interface: USB/IIC/RS232

MAC: Interface USB/IIC

- Mac OS,
- Mac OS X (PowerPC, Intel CPU)

QNX : Interface USB/IIC

- RTOS V6.3 to V6.6

Safety Standards

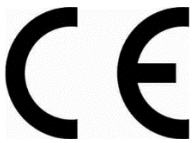VESA: DPMS
DDC2B-Standard (Version 2 Level B)

FCC FCC

(!) For optional accessories, observe the instructions enclosed with them!

Declaration of Conformity

CE

We declare under our sole
responsibility that
devices of the series
CONVIS 101/30, CONVIS 125/30, CONVIS 125/60, CONVIS 156/30
comply with the regulations
2006/42/EG, 2006/95/EG,
2004/ 108/EG
Harmonized standards applied:
EN ISO 12000:2010
EN 60950-1+A1:2010
EN 55022:2010
EN 55024:2010
EN 61000-3-2/A1/ A2:2009
EN 61000-3-3:2008

Kuppenheim, 01.09.2023

Ralf Küchel
Technical Manager / CTO

Warranty

(1) The warranty for ELEMENT ONE products is as follows from the date of purchase.

- 60 months on all purely mechanical components, and

- 24 months on all electrical and electronic components.

In the case of a purchase that is a commercial transaction for both parties, the customer must report defects of any kind - except hidden defects - in writing within eight working days (Saturday does not count as a working day) after delivery; otherwise the goods are considered approved. Hidden defects must be notified in writing within eight working days (Saturday does not count as a working day) after discovery; otherwise the goods shall be deemed to have been approved also in view of these defects.

(2) In the event of injury to life, limb or health for which we are responsible, as well as in cases of intent and gross negligence, the limitation period for material defect claims shall be two years. Otherwise, the limitation period for material defect claims shall be one year.

(3) Insofar as the delivered goods have a not insignificant defect, the customer may demand, at our discretion, either the rectification of the defect (subsequent improvement) or the delivery of a defect-free item (replacement delivery) as subsequent performance. If we are not prepared or not in a position to rectify the defect/replace the delivery, in particular if this is delayed beyond a reasonable period of time for reasons for which we are responsible, or if the rectification/replacement delivery fails in any other way, the customer shall be entitled, at his discretion, to withdraw from the contract or to reduce the purchase price, provided that further attempts at subsequent performance are unreasonable for him.

(4) There shall be no warranty obligation for normal wear and tear, in particular on parts subject to wear and tear. Furthermore, there shall be no warranty obligation if damage to or malfunctions of the delivery item occur due to improper handling or use of unsuitable operating conditions.

(5) We shall only be liable for damage due to defectiveness of the delivery item within the limits specified in Clause 8.

(6) Insofar as the defective delivery item is a third-party product, we shall be entitled to assign our material defect claims against our upstream suppliers to the customer and to refer the customer to their (legal) recourse. Claims may only be asserted against us under subsections 3 and 5 if the claims against our upstream suppliers cannot be enforced despite timely (judicial) recourse or if recourse is unreasonable in the individual case.

WEEE-Rg.Nr.: DE69117530

ELEMENT ONE Multimedia GmbH
Zum Murgdamm 5
DE-76456 Kuppenheim

Service-Hotline: +49 (0)7222 96654-15
service@element-one.de

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