

# CONVERS 125 FullHD

Compact Retractable Monitor



C O N V E R S



„visulutionary“

[ˈvɪʒuˈluːʒənəri] ADJ:

describes the feeling and impression  
you get when you use unique integrated  
monitor solutions from ELEMENT ONE™

# CONVERS 125 FullHD

Compact Retractable Monitor



With or without Speaker (optional)

Stepper Motor with  
Anti Clamp Protection

8 mm Glass & Aluminum  
and space for customization

12.5" FullHD Panel  
(Touch Overlay  
optional)

Compact dimensions

Monitor tilts up to 30°  
automatically (pre-  
adjustable individually)

## "What is CONVERS 125?"

CONVERS 125 was designed to be the sveltest vertically retractable Monitor of the CONVERS family. Made for applications where small size matters. Nevertheless it is equipped with a brilliant FullHD Panel. Operated by pressing a button or via remote control interface (TCP / IP), the display rises with a barely perceptible whisper, elevating and tilting 30° into final position.

Elegant & unobstrusive  
Design: Aluminum, Glass,



Monitor made of silver anodized  
Aluminum. And, of course,  
available in custom color, too.

# CONVERS 125 FullHD

Compact Retractable Monitor



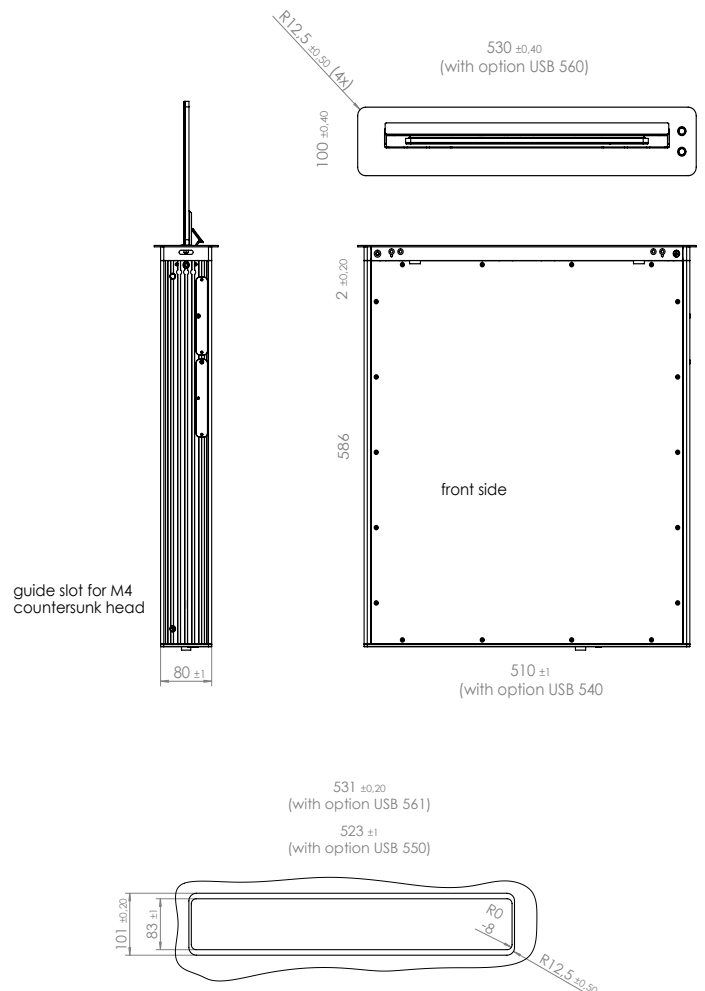
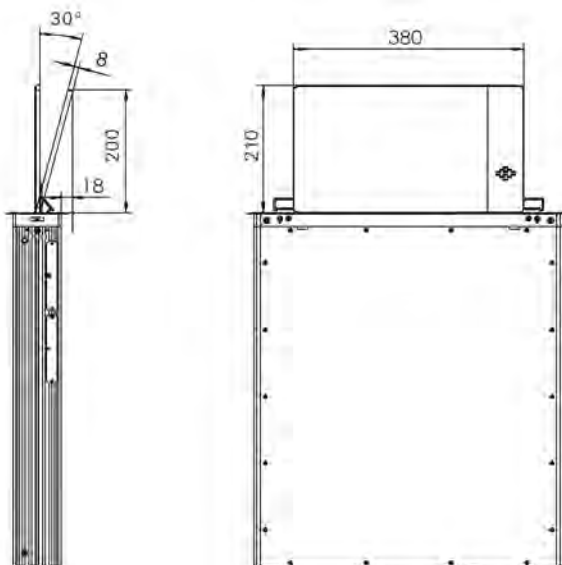
## GENERAL SPECIFICATIONS

<b>Functionality</b>	Motorized Vertically Retractable Monitor with 30° Tilt mechanism. Dual-Stepper-Motor Mechanics. Integrated Speaker. One-Touch release with electronic Anti Clamp Protection
<b>Motor &amp; Mechanics</b>	12 V Stepper Motor: Maintenance Free Virtually Silent – 40 dB
<b>Material Chassis</b>	High-grade steel and anodized aluminum
<b>Material Monitor</b>	Aluminum silver anodized and 2 mm Antireflective coated protective glass
<b>Dimensions (Chassis)</b>	530 x 100 x 586 mm
<b>Weight</b>	10.0 kg
<b>Elevated Height</b>	(Monitor) 200 mm at 30° inclination
<b>Monitor Specs</b>	Full HD 12,5" LED Backlit TFT HDCP Compatible Active Matrix Widescreen Format
<b>Brightness</b>	400 cd/m2
<b>Contrast Ratio</b>	(typ.) 700:1
<b>Resolution</b>	1920 x 1080 – Full HD (16:9)
<b>Pixel size</b>	0.144mm x 0.144mm (176ppi)
<b>Color depth</b>	6-bit, 262.144 colors
<b>Viewing Angle</b>	Horizontal 160° / Vertical 140°
<b>Viewing Area</b>	276.480(H) x 155.520(V)

<b>LED Lifespan</b>	Up to 50,000 hrs
<b>Video Interface</b>	HDMI
<b>Remote Control</b>	TCP/IP on-board via RJ45 9-PIN d-sub serial For device control, setup of the movement parameter, firmware-Update (E1-cable and software required)
<b>Speaker (Mono)</b>	Loose cable ends - to be connected with Audio Source
<b>Power Consumption</b>	15W
<b>Certifications</b>	CE, FCC
<b>Warranty</b>	5 Years Mechanical / 2 Years Optical Extendable at inception with surcharge E&OE Sustainable materials and manufacturing

## SCOPE OF SUPPLY

External Power Supply  
Power Cord – 1.5 m  
Output: 12V, 5A  
Input: 100 - 240V, 50/60Hz, 1,5A



(Draft: Errors and changes - also considering project spec requirements - excepted.)

# CONVERS 125 FullHD

Compact Retractable Monitor

## LCD Reliability - Environment Test Condition

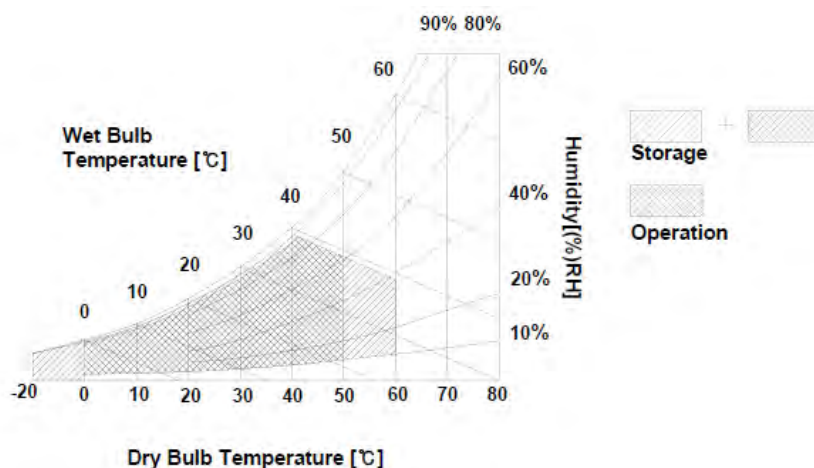
No.	Test Item	Conditions
1	High temperature storage test	Ta= 60°C, 240h
2	Low temperature storage test	Ta= -20°C, 240h
3	High temperature operation test	Ta= 50°C, 50%RH, 240h
4	Low temperature operation test	Ta= 0°C, 240h
5	Vibration test (non-operating)	Sine wave, 5 ~ 150Hz, 1.5G, 0.37oct/min 3 axis, 30min/axis
6	Shock test (non-operating)	- No functional or cosmetic defects following a shock to all 6 sides delivering at least 180 G in a half sine pulse no longer than 2 ms to the display module - No functional defects following a shock delivering at least 200 g in a half sine pulse no longer than 2 ms to each of 6 sides. Each of the 6 sides will be shock tested with one each display, for a total of 6 displays
7	Altitude	operating storage / shipment
		0 ~ 10,000 feet (3,048m) 24Hr 0 ~ 40,000 feet (12,192m) 24Hr

## LCD Temperature - Absolute Maximum Ratings

The following are maximum values which, if exceeded, may cause faulty operation or damage to the unit

Parameter	Symbol	Values Min	Values Max	Units	Notes
Power Input Voltage	VCC	-0.3	4.0	Vdc	at 25 +/- 5°C
Operating Temperature	T OP	0	50	°C	1, 2
Storage Temperature	H ST	-20	60	°C	1
Operating Ambient Humidity	H OP	10	90	%RH	1
Storage Humidity	H ST	10	90	%RH	1

- Note: 1 Temperature and relative humidity range are shown in the figure below.  
Wet bulb temperature should be 39°C Max, and no condensation of water..
2. LCD Surface Temperature Spec :  
Panel surface temperature should be under 60 degrees operating at 50 degrees / 2hrs
- 3 Storage Condition is guaranteed under packing condition.



ELEMENT ONE Multimedia GmbH  
Zum Murgdamm 5  
D-76456 Kuppenheim  
Germany  
fon +49 (0) 7222 96654-0  
fax +49 (0) 7222 96654-29  
www.element-one.de  
info@element-one.de