CONVERS 125 FullHD

Compact Retractable Monitor

C O N V E R S

„visulutionary“

['vɪʒu'lu:ʒəneri] 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

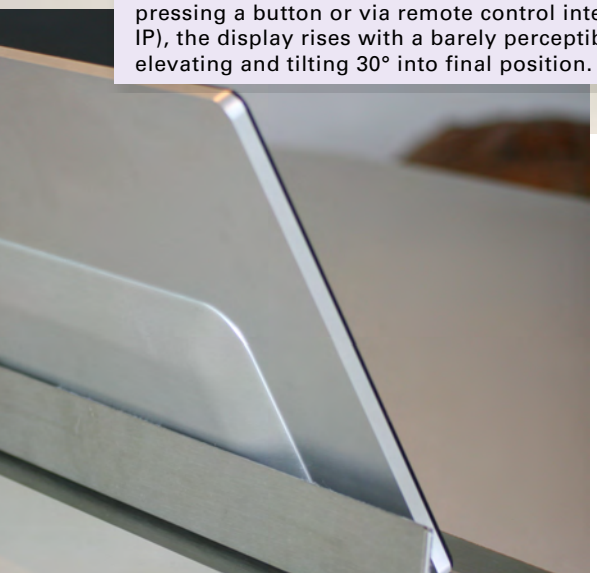
12.5" FullHD Panel (Touch Overlay optional)

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.

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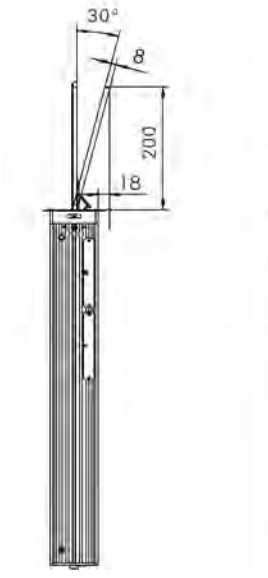
Compact Retractable Monitor

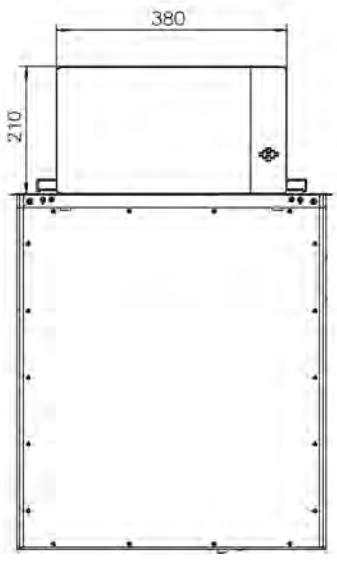
GENERAL SPECIFICATIONS

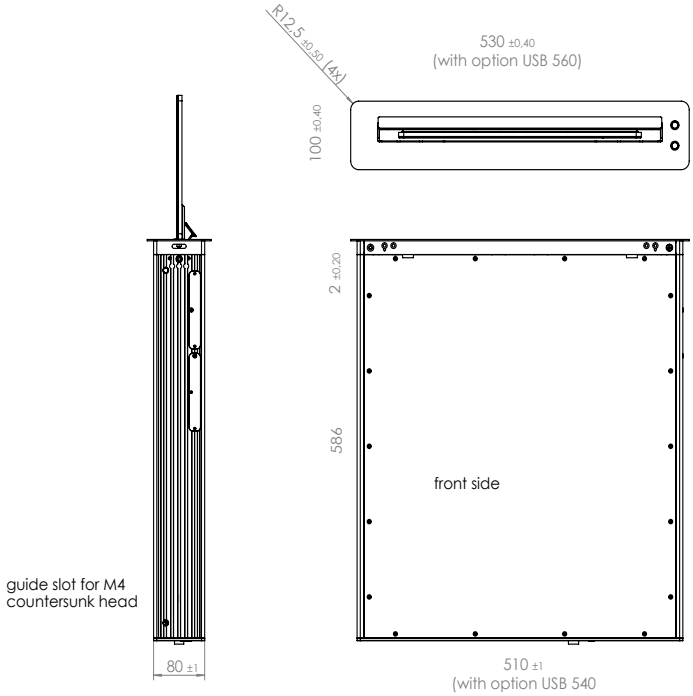
Functionality	Motorized Vertically Retractable Monitor with 30° Tilt mechanism. Dual-Stepper-Motor Mechanics. Integrated Speaker. One-Touch release with electronic Anti Clamp Protection
Motor & Mechanics	12 V Stepper Motor: Maintenance Free Virtually Silent – 40 dB
Material Chassis	High-grade steel and anodized aluminum
Material Monitor	Aluminum silver anodized and 2 mm Antireflective coated protective glass
Dimensions (Chassis)	530 x 100 x 586 mm
Weight	10.0 kg
Elevated Height	(Monitor) 200 mm at 30° inclination
Monitor Specs	Full HD 12,5" LED Backlit TFT HDCP Compatible Active Matrix Widescreen Format
Brightness	400 cd/m2
Contrast Ratio	(typ.) 700:1
Resolution	1920 x 1080 – Full HD (16:9)
Pixel size	0.144mm x 0.144mm (176ppi)
Color depth	6-bit, 262.144 colors
Viewing Angle	Horizontal 160° / Vertical 140°
Viewing Area	276.480(H) x 155.520(V)
LED Lifespan	Up to 50,000 hrs
Video Interface	HDMI
Remote Control	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)
Speaker (Mono)	Loose cable ends - to be connected with Audio Source
Power Consumption	15W
Certifications	CE, FCC
Warranty	5 Years Mechanical / 2 Years Optical Extendable at inception with surcharge E&OE Sustainable materials and manufacturing

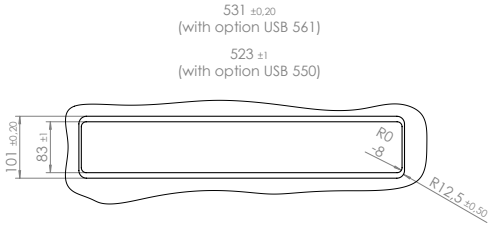
SCOPE OF SUPPLY

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.

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LCD Reliability - Environment Test Condition

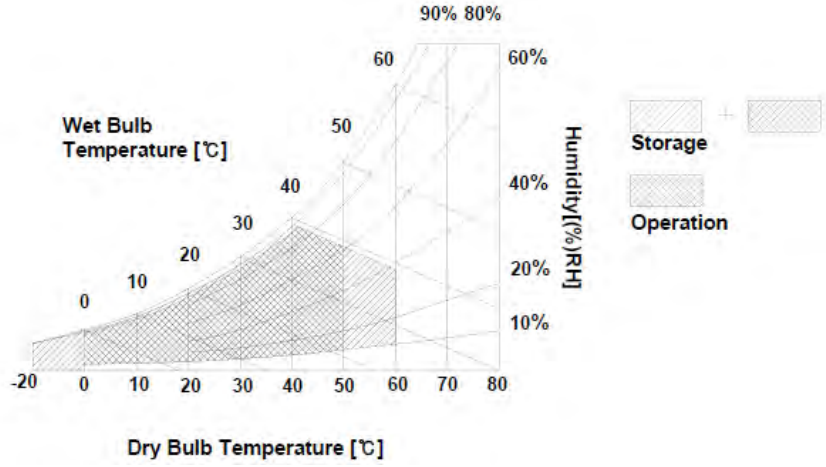
No.	Test Item		Conditions
1	High temperature storage test		Ta= 60°C, 240h
2	Low temperature storage test		Ta= -20°C, 240h
3	High temperature operation test		Ta= 50°C, 50%RH, 240h
4	Low temperature operation test		Ta= 0°C, 240h
5	Vibration test (non-operating)		Sine wave, 5 ~ 150Hz, 1.5G, 0.37oct/min 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	0 ~ 10,000 feet (3,048m) 24Hr
		storage / shipment	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.



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