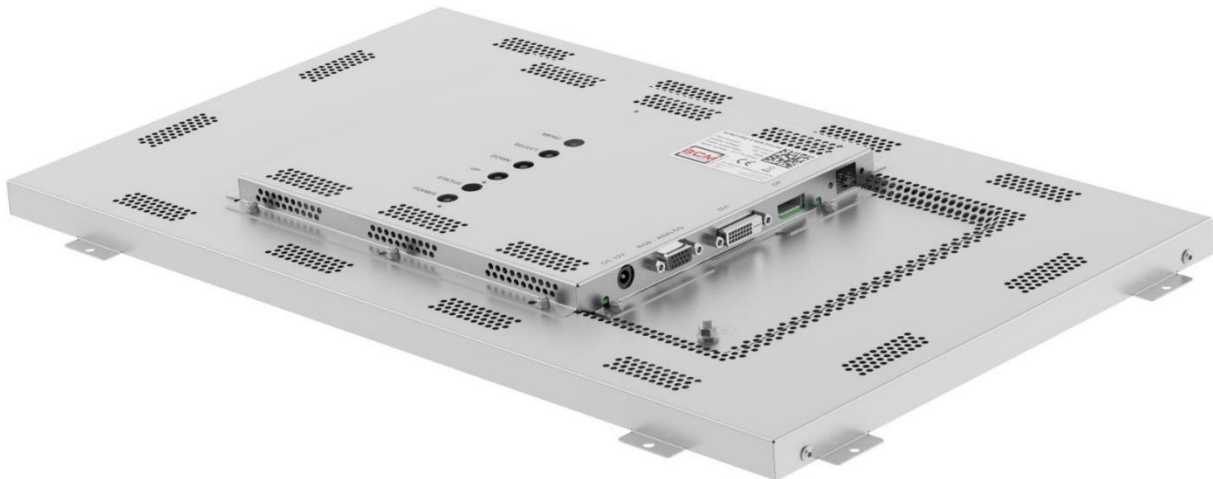


# *Short Form Specification*

## Beck Compact Module SCM21H02-R RGB/DVI/DP



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Preliminary

The information given in this document is carefully checked and believed to be reliable. However, Beck GmbH & Co. Elektronik Bauelemente KG takes no responsibility for any failure or product damage caused by application of this information. Please check all connections carefully with the product specification.

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This specification is subject to change without notification.

## 1. General Features

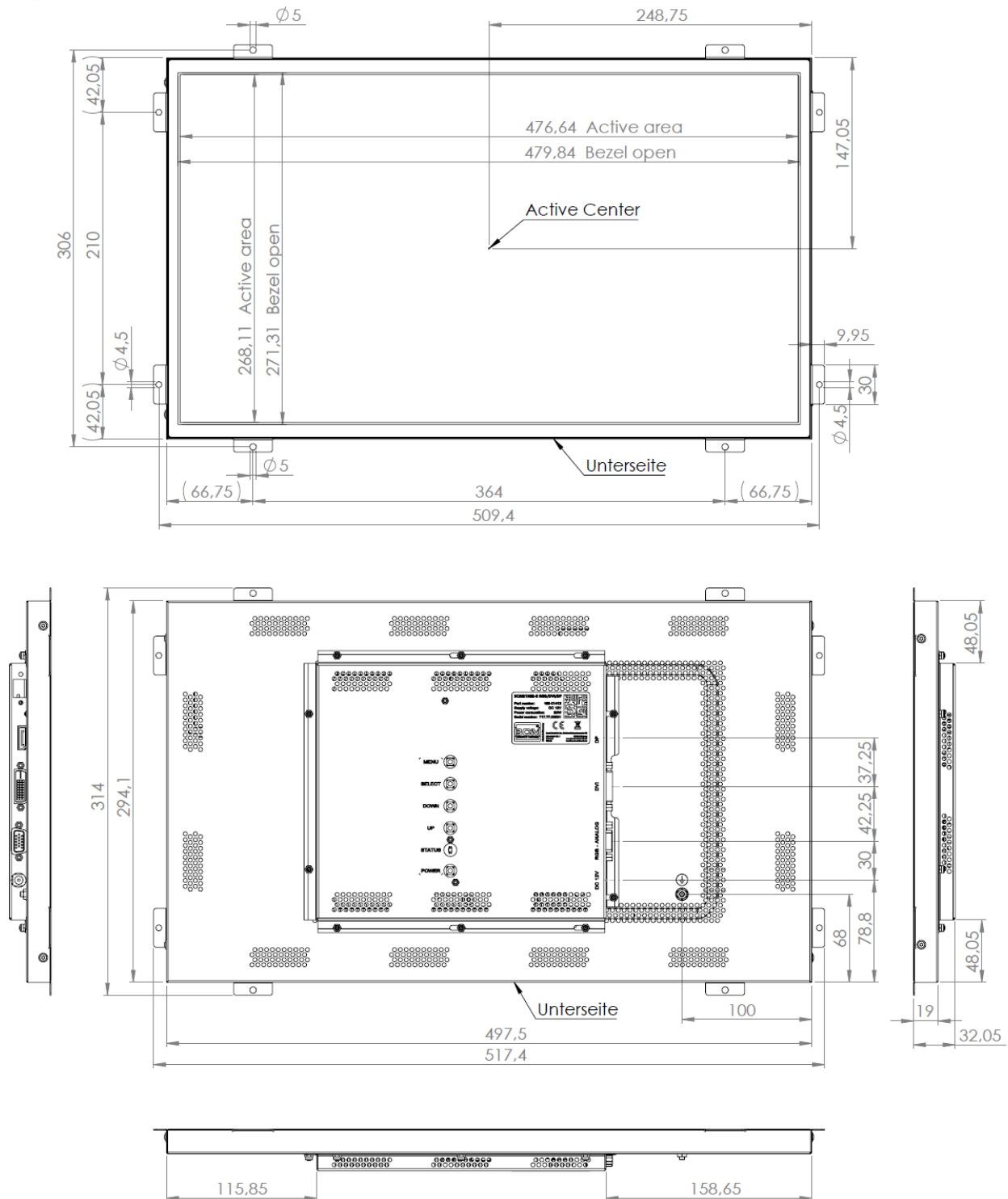
Item	Description	Unit
Diagonal	54.6 (21.5")	mm
Active area	476.64 (H) x 268.11 (V)	mm
Resolution – display	1920 x 1080	pixel
Resolution – controller	640 x 480 – 1920 x 1080	pixel
Pixel pitch	0.248 (per one traid) x 0.248	mm
Pixel arrangement	R.G.B. vertical stripe	
Display colors	16.7 M	colors
Display mode	VA mode, normally black	
Brightness	300	cd/m <sup>2</sup>
Contrast ratio	5000:1	
Viewing angle	89 / 89 / 89 / 89	deg.
Response time	25	msec
LED Backlight life	min 50,000	hrs
Interface	Analog-RGB H-Sync. / V-Sync. // DVI // DP	
Touch	Not available	
Power input voltage	12	V DC
Power consumption	20	W
Dimension	517.4 x 314 x 32.05	mm
Weight	3.3	gram
VPE	4	
Remark	wide view (MVA)	

### Power Input Connector

Type: DC Jack

Pin No.	Symbol	Description	Note
1	Vin	12V DC	Center
2	GND	GND	

**Figure 1: Mechanical Outlines**



## 2. Handling & Cautions

### Cautions when taking out the module

- Pick the pouch only, when taking out module from a shipping package.

### Cautions for handling the module

- As the electrostatic discharges may break the LCD module, handle the LCD module with care. Peel a protection sheet off from the LCD panel surface as slowly as possible.
- As the LCD panel and backlight element are made from fragile glass material, impulse and pressure to the LCD module should be avoided.
- As the surface of the polarizer is very soft and easily scratched, use a soft dry-cloth without chemicals for cleaning.
- Put the module display side down on a flat horizontal plane.
- Handle connectors and cables with care.

### Cautions for the atmosphere

- Dewdrop atmosphere should be avoided.
- Do not store and/or operate the LCD module in a high temperature and/or humidity atmosphere. Storage in an electro-conductive polymer-packing pouch and under relatively low temperature atmosphere is recommended.

### Cautions for the module characteristics

- Do not apply fixed pattern data signal to the LCD module at aging time.
- Applying fixed pattern for a long time may cause image sticking.

### Other cautions

- Do not disassemble and/or re-assemble LCD module.
- Do not re-adjust variable resistor or switch etc.
- When returning the module for repair or etc., please pack the module not to be broken. We recommend on using the original shipping packages.

## 3. Packing Information

Each of the four SCM21H02-R RGB/DVI/DP is packed into an anti-static foil. These four units of SCM21H02-R RGB/DVI/DP are packed into a carton filled and cushioned with shock absorbing carton and therefore good protected for shipping on euro pallet.

## 4. Optional Accessories

We refer to our webpage:

<https://www.beck-elektronik.de/produkte/displays/beck-compact-module/>

We offer a wide variety of optional accessories to operate the SCM21H02-R RGB/DVI/DP.