

# *Short Form Specification*

## Beck Compact Module BCM15X10-R HDMI/DP



September 2023

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	38.1 (15.0")	mm
Active area	304.1 (H) x 228.1 (V)	mm
Resolution – display	1024 x 768	pixel
Resolution – controller	640 x 480 – 1024 x 768	pixel
Pixel pitch	0.297 (H) x 0.297 (V)	mm
Pixel arrangement	R.G.B. vertical stripe	
Display colors	16.7 M	colors
Display mode	normally black	
Brightness	500	cd/m <sup>2</sup>
Contrast ratio	2500:1	
Viewing angle	88 / 88 / 88 / 88	deg.
Response time	23	msec
LED Backlight life	min 50,000	hrs
Interface	HDMI // DP	
Touch	Not available	
Power input voltage	12 / 24	V DC
Power consumption	12	W
Dimension	326.5 x 253.5 x 21.6	mm
Weight		gram
VPE	7	
Remark	wide view (VA), high brightness	

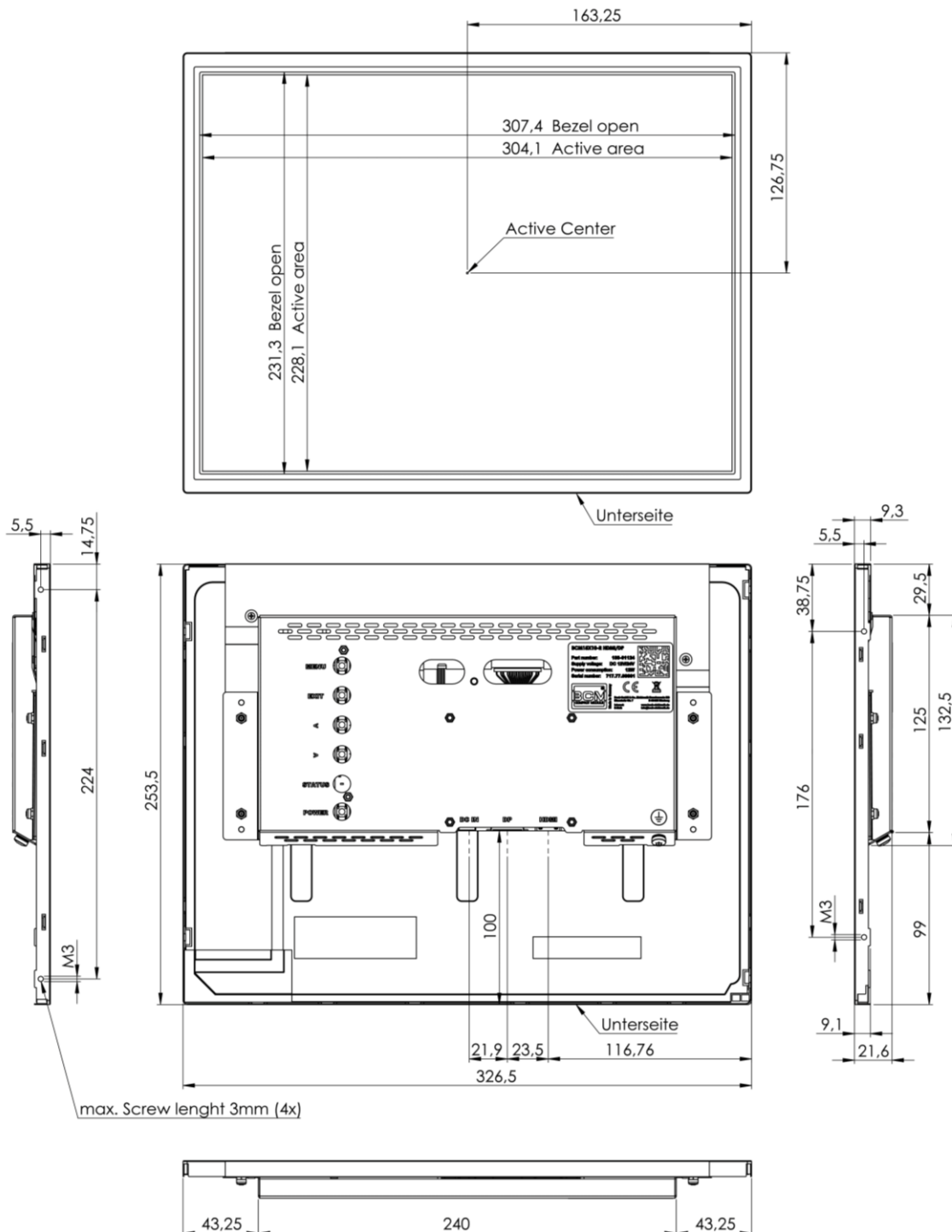
## 2. Power Connectors



DC Jack 2.5mm x 5.5mm

Pin	Signal	Description	Type
Inner	VIN	Power input	PWR
Outer	GND	Ground	GND

Figure 1: Mechanical Outlines



### 3. 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.

### 4. Packing Information

Each of the seven BCM15X10-R HDMI/DPis packed into an anti-static foil. These seven units of BCM15X10-R HDMI/DP are packed into a carton filled and cushioned with shock absorbing carton and therefore good protected for shipping on euro pallet.

### 5. 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 BCM15X10-R HDMI/DP.