

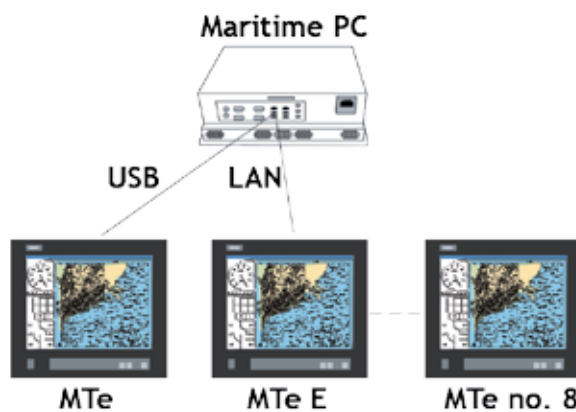
Maritime monitor - MTe and MTe E

Field of Application

The maritime monitor series MTe and MTe E have been developed for software applications on bridges, engine control rooms and many other PC-based applications on vessels and offshore environment. Either as single based unit or in a local area network (LAN) connected to several other displays, the maritime monitors go strong with specific functionalities.

Video over LAN

The “e” stands for “enhanced functionality” which means, the video signal transmission can be realized via USB or LAN interface. The result is an open network structure with connection of up to 8 different monitors without any VGA or DVI converter. It is possible to use an existing LAN to save inflexible VGA cabling and expensive multi mode graphic cards.



Comprehensive video network with existing LAN or USB cabling

Dimming in several ways

At bridges it is mandatory to use a dimming functionality for all back-lighted devices. MTe displays can be dimmed infinitely variable to 0% brightness, which ensures a non-dazzling control for the crew. There are several ways to adjust the display brightness. One way is to adjust the dimming for every monitor individually, using the front buttons. But in some cases it might be useful, to dim the whole range of monitors at once. For this case the remote dimming feature allows the building of local networks of connected monitors where any monitor can control the backlight brightness of any other.

or Ethernet connection with the Beijer Electronics RBC Router. The RBC Router is a service that handles SCOM commands. It is a part of the Monitor Control Center.

USB Network

Several monitors can control each other via USB connection. To enable this feature, the RBC Router must run on the PC, and USB output must be enabled.

Local Universal Network

Several monitors can control each other via RS232, RS485 or

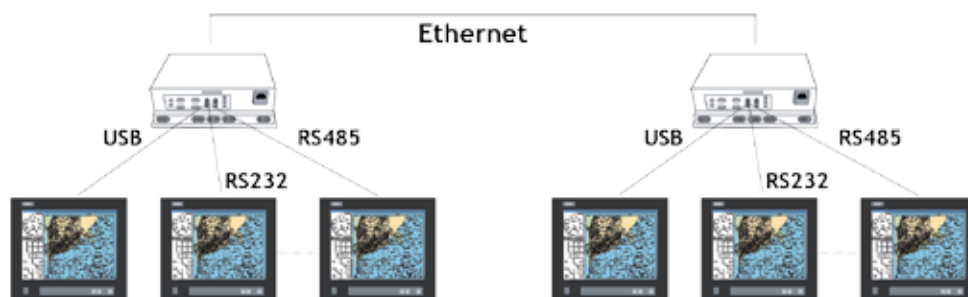
USB to the same PC. To enable this feature, the RBC Router must run on the PC, and RS232 output, RS485 output or USB output must be enabled.

Global Universal Network

Several monitors in different local networks can control each other via Ethernet, RS232 (only two PCs per connection), RS485 or USB. To enable this feature, the RBC Router must run on every PC, and RS232 output, RS485 output, USB output and Ethernet input must be enabled.

Point-to-Point

Two monitors can control each other via RS232. Multiple Monitors can be connected and control each other via an RS485 bus. Other remote dimming features are available via USB



Easy to realize dimming network in several ways with MTe and MTe E

Maritime Monitor - MTe Nautic



Characteristics

- Decrease cabling through Video over LAN
- Perfect night vision by network dimming function
- Various certifications for major classification societies
- Rugged design for specifics of maritime requirements
- Choice between resistive touch and anti-reflective glass

TECHNICAL DATA

Front panel	
Type of data entry	Resistive touch (Option: anti-reflective glass)
Degree of protection	IP65 front end; IP20 back end
Power supply	
Operating voltage	24 VDC +/- 15% or 115-230 +/- 15% VAC
Power consumption	ca. 4.0 / 1.0 A
Interfaces	
Serial	RS232 / 485
Ethernet	Option 10/100 Mbps
Graphics	VGA / DVI / USB (Option: Ethernet)
Input	USB
General information	
Frame material	Aluminum
Front foil	acid-resistant polyester foil
Certifications	GL, ABS, DNV, BV*, LR (till 19")
Operating temperature	0 to 55 °C
Storage temperature	-20 to 70 °C

* In progress

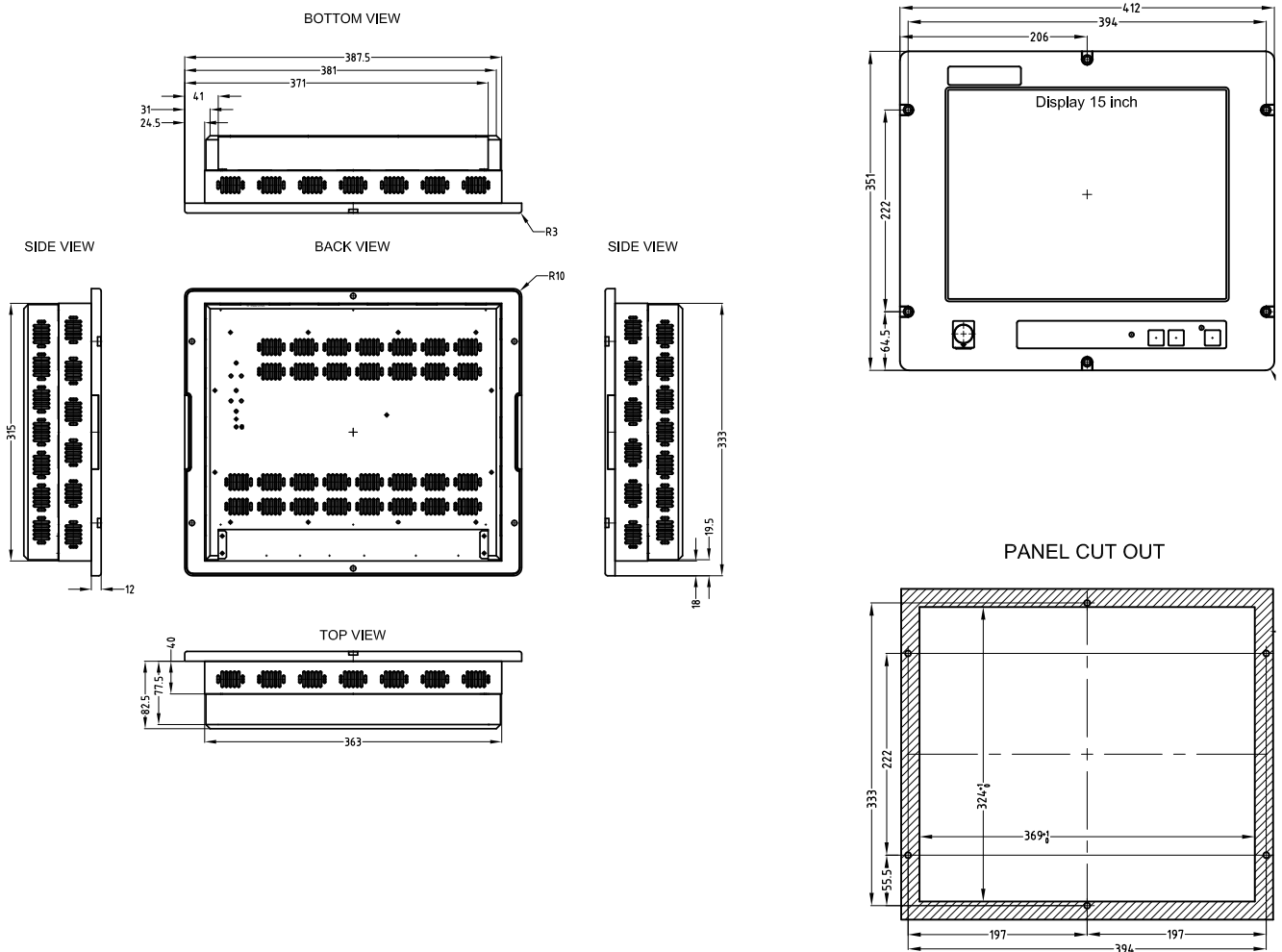
MTe T150 Nautic



TECHNICAL DATA (for further data, see page 3.2)

Front panel	
Size in inches	15"
WxH resolution in pixels	1024 x 768
Contrast ratio	450:1
Luminous intensity	250 cd/m ² (typical)
Angle of vision	150° (H) / 110° (V)
General information	
Outer dimensions in mm WxHxD	412 x 351 x 81
Panel profile in mm WxH	369 x 324
Weight	ca. 6.5 kg
Order information	
Description of item	MTe T150 Nautic DC / MTe T150 Nautic AC

Dimensional drawings in mm



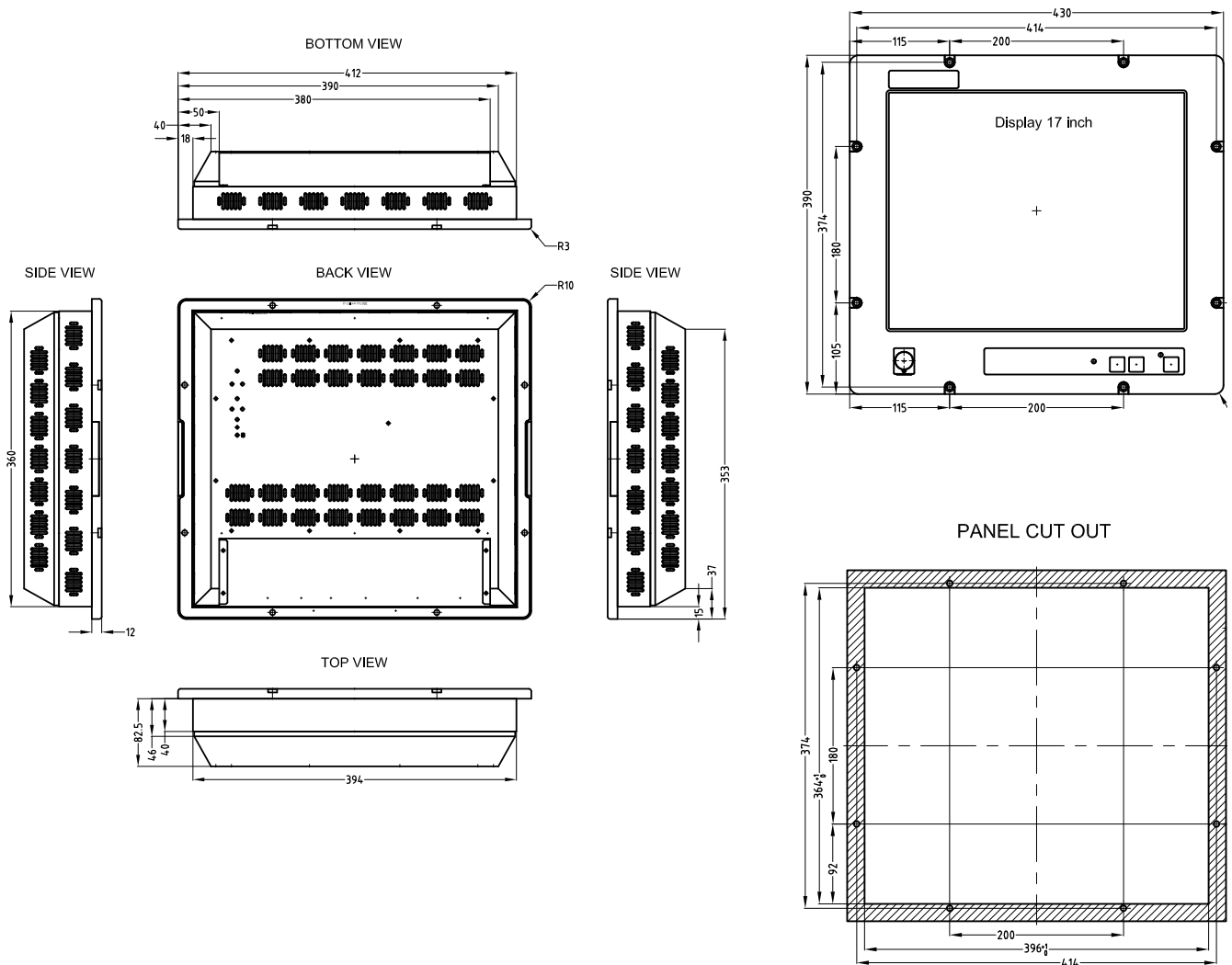
MTe T170 Nautic



TECHNICAL DATA (for further data, see page 3.2)

Front panel	
Size in inches	17"
WxH resolution in pixels	1280 x 1024
Contrast ratio	600:1
Luminous intensity	250 cd/m ² (typical)
Angle of vision	178° (H/V)
General information	
Outer dimensions in mm WxHxD	430 x 390 x 81
Panel profile in mm WxH	396 x 364
Weight	ca. 7.5 kg
Order information	
Description of item	MTe T170 Nautic DC / MTe T170 Nautic AC

Dimensional drawings in mm



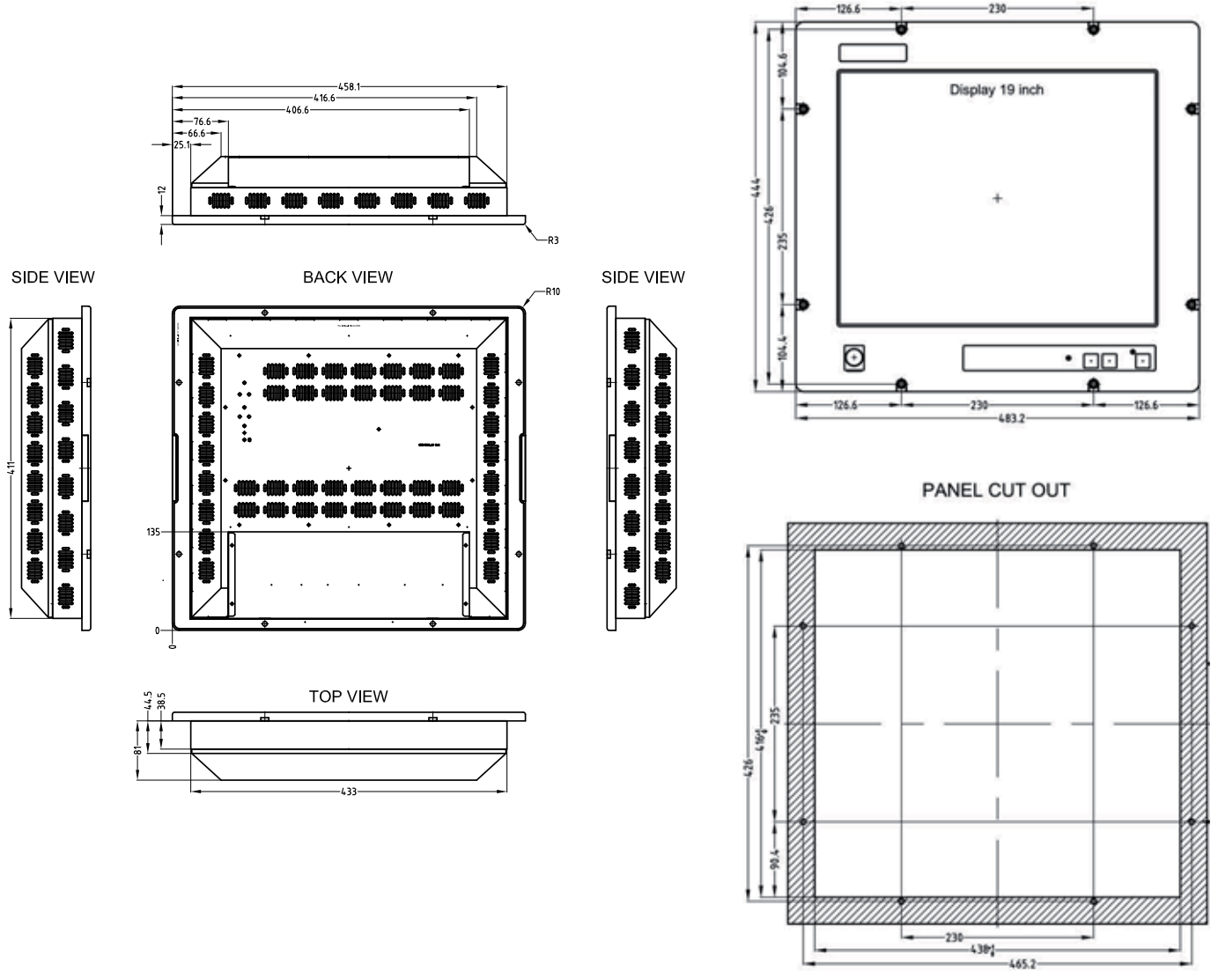
MTe T190 Nautic



TECHNICAL DATA (for further data, see page 3.2)

Front panel	
Size in inches	19"
WxH resolution in pixels	1280 x 1024
Contrast ratio	1000:1
Luminous intensity	250 cd/m ² (typical)
Angle of vision	178° (H/V)
General information	
Outer dimensions in mm WxHxD	483,2 x 444 x 81
Panel profile in mm WxH	438 x 416
Weight	ca. 10.0 kg
Order information	
Description of item	MTe T190 Nautic DC / MTe T190 Nautic AC

Dimensional drawings in mm



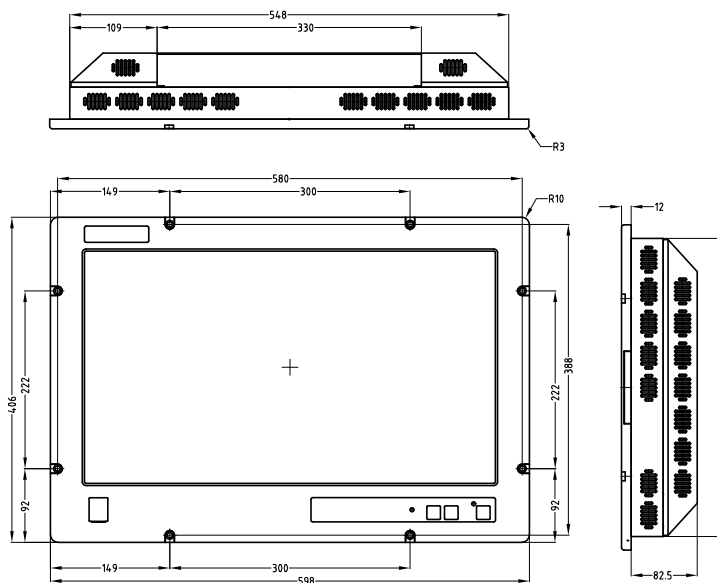
MTe T240 Nautic



TECHNICAL DATA (for further data, see page 3.2)

Front panel	
Size in inches	23" wide
WxH resolution in pixels	1920 x 1080
Contrast ratio	1000:1
Luminous intensity	250 cd/m ² (typical)
Angle of vision	170° (H) / 160° (V)
Type of data entry	Resistive touch (Option: anti-reflective glass)
Degree of protection	IP65 front end; IP20 back end
General information	
Outer dimensions in mm WxHxD	598 x 406 x 95
Panel profile in mm WxH	550 x 374
Weight	ca. 14.0 kg
Certifications	DNV (in progress)
Order information	
Description of item	MTe T240 C2D Nautic DC / MTe T240 C2D Nautic AC

Dimensional drawings in mm



PANEL CUTOUT

