## DATA SHEET

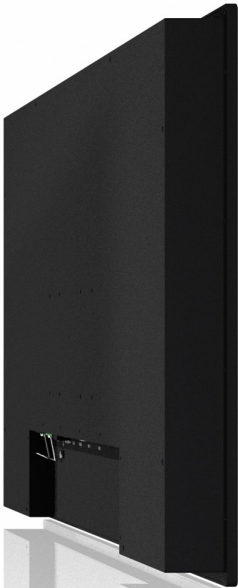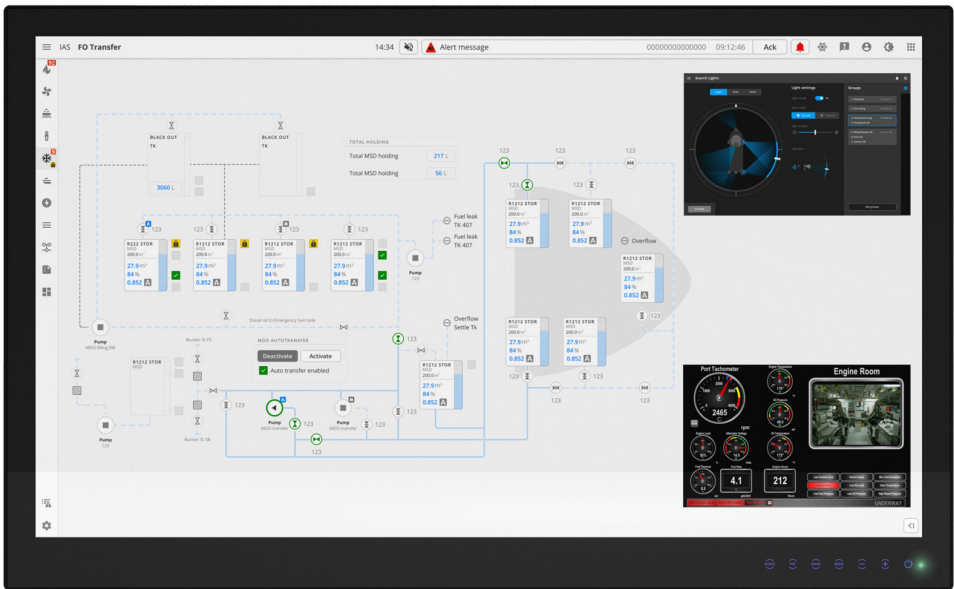| | |
|---|---|
| Manufactured for: | Hatteland Technology AS |
| Product: | 32.0 inch Industrial Monitor |
| Type: | ED 32T01 UHD-xxx-xx |

ℹ️ Dimensions might be shown with or without decimals and indicated as mm [inches]. Tolerance on drawings is +/- 1mm. For accurate measurements, check relevant DWG file.

# ENIX PRO

# 32.0" ENIX Pro Monitor - Series ED

The ENIX Pro line - Series ED range of products provides SXGA to 4K resolution monitors to a wide range of industrial applications: HMI, safety systems, navigation, CCTV, voyage planning, sonar, tactical command & control platforms, and more. Its cutting-edge, high-definition LED monitor technology enables the presentation of large amounts of data onto one screen, instead of multiple monitors.

The 32.0" is available with Projected Capacitive Touch and Anti Glare coating for better functionality in all situations and conditions. It also features an On Screen Monitor menu and Keypad for ease of use.



**4K UHD**
**High Resolution**

**16:9**
**Wide screen**

**High Contrast**

**LED**
**Backlit LED**

**Touch keypad**

HATTELAND TECHNOLOGY
an EMBRON Company

# TECHNICAL SPECIFICATIONS

## TFT Technology

• High Quality TFT with LED Backlight Technology

• 32.0 inch viewable image size, Widescreen, Aspect Ratio 16:9

• TFT active-matrix liquid crystal panel, RGB vertical stripe

• AHVA LCD Technology

## TFT Characteristics

| | |
|---|---|
| Native Resolution | 3840 x 2160 (UHD, 4K) |
| Pixel Pitch (RGB) | 0.1845 (H) x 0.1845 (V) mm |
| Response Time | 12 ms (typ. G to G) |
| Contrast Ratio | 1000:1 (typical) |
| Light Intensity | 350 cd/m² (typical) |
| Viewable Angle | +/- 89 deg. (typical) (Up/Down/Left/Right) |
| Active Display Area | 711.50 (H) x 401.50 (V) mm |
| Max Colors | 1.07B color (8 bits +HI FRC) |

## Supported Signals (Resolution)

| | |
|---|---|
| UHD | 3840 x 2160@60Hz |
| QHD | 2560 x 1440@60Hz |
| WUXGA | 1920 x 1600@60Hz |
| FHD | 1920 x 1080@60Hz |
| UXGA | 1600 x 1200@60Hz |
| SXGA | 1280 x 1024@75/60Hz |
| XGA | 1024 x 768@75/70/60Hz |
| SVGA (VESA Analog) | 800 x 600@75/72/60/56Hz |
| VGA(VESA) | 640 x 480@75/72/60Hz |

**Note:**
Actual supported signals may differ based on utilized graphics card.

## Features

• Dimmable function to 0 cd/m²

• Remote control, RJ-45, external wheel key encoder tool

• Remote control, RS-232, serial command

• Touch keypad

• Panel mount clips

## Power Specifications

| | |
|---|---|
| Multi-power ACDC | 100-240V AC - 50/60Hz + 24 VDC |
| Power Consumption<br>ED 32T01 UHD-MA7-SA<br>ED 32T01 UHD-MA7-SP | : 51W (Typ) - 60W (Max)<br>: 53W (Typ) - 60W (Max) |

## Physical Considerations

| | |
|---|---|
| Measurements | W: 761.00 mm [29.96 inch]<br>H: 469.00 mm [18.46 inch]<br>D:  65.50 mm [2.58 inch] |
| Approx Weight:<br>ED 32T01 UHD-MA7-SA<br>ED 32T01 UHD-MA7-SP | : 12.35 kg / 27.227 lbs<br>: 12.7 kg / 28 lbs |
| VESA Support | 100 x 100/100 x 200 [l x w]  mm (4 x M4) |

## Approvals & certificates

These products have been tested / type approved by the following classification societies:

| FCC | CE | |
|---|---|---|

## Signal Terminals

| | |
|---|---|
| DVI Input | 2 x 24p DVI (female)<br>Max 3840x2160@30Hz (HDMI 1.4 compliant) |
| VGA Input | 1 x 15p HD D-SUB (female)<br>Max 1920x1200@60Hz |
| HDMI Input | 1 x 19p HDMI (female)<br>Max 3840x2160@30Hz (HDMI 2.0 compliant) |
| DP Input | 1 x 20p DisplayPort (female)<br>Max 3840x2160@60Hz<br>DisplayPort 1.2a compliant |
| USB Up & Down | 2 x USB2.0 type A Connector (female) |
| Touch Interface | 1 x USB Type B Connector (female) |
| RS-232 | 1 x 9p D-SUB (female) non-isolated for remote control |
| RJ-45 | 1 x Ethernet RJ45, 8P8C, GPIO interface, for Remote Control (Use the ET JGW STD-A1) |
| DC Power Input | 1 x 3-pin Terminal Block 5.08 |
| AC Power Input | 1 x Std IEC Inlet |

## User Controls (On right side - Touch Keypad)

Power On/Off (monitor)

Brightness Control, backlight dimmable to 0 cd/m2 (-/+)

On Screen Monitor Menu

Swap Source

Picture in Picture

Touch disable

Navigation control (+/-)

## Environmental Considerations:

| | |
|---|---|
| Operating | Temperature -5°C to +45°C |
| Storage | Temperature -10°C to +50°C |
| Humidity | Up to 95% (Operating / Storage) |
| IP Rating | Protection: IP65 front - IP22 Rest of unit |
| Backlight Lifetime | 30000 hrs |

**Lifetime Considerations:**
Even though the test conditions for bridge units provide for a maximum operating temperature of 45°C, continuous operation of all electronic components should, if possible, take place at ambient temperatures of only 25°C. This is a necessary prerequisite for long life and low service costs.

## Available Accessories

ET JGW STD-A1      : 1 x ENIX Pro remote controller
                            (RJ45 harness/encoder)

Please see user manual for more information

## Factory Options

• Projected Capacitive Touch Screen (Multitouch, USB interface)

• AG Coated Glass

## Available Models:

**ED 32T01 UHD-MA7-SA**
32.0" ENIX Pro Monitor 4K ACDC Black Slim Frame AG MSCP

**ED 32T01 UHD-MA7-SP**
32.0" ENIX Pro Monitor 4K ACDC Black Slim Frame PCTouch AG MSCP

---

ⓘ   All specifications are subject to change without prior notice! Please visit www.hattelandtechnology.com for the latest electronic version.

**HATTELAND TECHNOLOGY**
an EMBRON Company

# TECHNICAL SPECIFICATIONS

### Contents of Package:

1 x CABLE POWER EU 1.83M

1 x CABLE HDMI 2.0(4K2K/60P) 1.8M

1 x DC PLUG

8 x PANEL MOUNTING CLAMP(M5*50,SUS)

8 x SRCEW(M5*8,ISO 4762,SUS)

1 x CABLE USB A TO B,1.8M[1]

[1]Only for Touch model

ⓘ  All specifications are subject to change without prior notice! Please visit www.hattelandtechnology.com for the latest electronic version.

**HATTELAND TECHNOLOGY**
an EMBRON Company

FRONT VIEW

761.00 [29.96]
711.50 [28.01] (DISPLAY AREA)
24.80 [0.98]
R5.4
401.50 [15.81] (DISPLAY AREA)
469.00 [18.46]
42.70 [1.68]

SIDE VIEW

56.50 [2.22]
9.00 [0.35]

BACK VIEW

10.50 [0.41]
740.00 [29.13]
222.50 [8.76]
280.50 [11.04]
200.00 [7.87]
100.00 [3.94]
448.00 [17.64]
330.50 [13.01]
100.00 [3.94]
M4xP0.7(HOLE "A")
10.50 [0.41]

BOTTOM VIEW

DIMETRIC VIEW

TOP VIEW

Units: mm [inches]

SALES DRAWING ED 32T01 UHD-xxx-xx