



Product Datasheet

Driver Only Operated CCTV Monitor

Key Features

- 10.4" 4:3 TFT LCD with capacitive touch panel
- 1024 x 768 pixels resolution
- Intel® Atom™ processor
- 2 Fast Ethernet, 2 USB
- Wide-range PSU, 12/24 VDC nom.
- -40 to +70°C operating temperature
- Fanless and maintenance-free design
- Prepared for E1 (automotive), IP65 (front), IP20 (rear)
- Embedded Windows® 7 - Professional Edition



Specifications

| | | |
|---------|--|------------------------------------|
| CPU | Intel® Atom™ E3845 | 1.33 GHz processor core frequency |
| | | 1.6 GHz processor core frequency |
| | Chipset | Intel® system controller hub US15W |
| Display | Screen size: 10.4" | |
| | Resolution: 1024 x 768 (XGA) with aspect ratio 4:3 | |
| | Luminance: 350 cd/m ² | |
| | Contrast: 1200:1 | |
| | Response time: Ton+Toff average 25 ms | |
| | Viewing angle: 176°(H)/176°(V) | |
| | Backlight with brightness control | |
| | Interface: LVDS | |
| Colour | Matt Black | |



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Specifications

| | | |
|--|--|--|
| Touch functionality | Capacitive touch panel | |
| | USB-driven touch interface | |
| | Anti-glare layer | |
| Ethernet Connection | M12 x 2 | |
| Memory | 2 GB Ram with 16GB SD Card | |
| I/O | USB | Two USB 2.0 host ports |
| | | Accessible via Series A connectors |
| | | UHCI implementation |
| | | Data rates up to 480 Mbit/s |
| | Ethernet | Two 10/100Base-T Ethernet channels |
| | | Accessible via RJ45 connectors |
| | | Switch functionality |
| | Binary inputs | Four universal binary inputs via 10-pin power connector, e.g., for geographical addressing |
| Intelligent Power Supply with Controller | Input voltage supervision | |
| | Temperature supervision via LM50 sensor | |
| | Backlight control (turns off display at configurable temperatures) | |
| | Buffer functionality for RTC and BIOS CMOS | |
| | Reset of CPU board possible | |
| | Wake on time | |
| | Watchdog | |
| | Accessible via SMBus | |
| Electrical Specifications | Supply voltage | 12 VDC nom |
| | | 24 VDC nom. (9 to 36 V) |
| | Power consumption | 12 W typ. |



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Specifications

| | | |
|------------------------------|--|--|
| Mechanical Specifications | Dimensions: 267 mm x 187.7 mm x 85 mm (electronics), 310 mm x 235 mm (display frame) | |
| | Weight: 2.3 kg | |
| | Designed for panel mounting | |
| | Front protected according to IP65 | |
| | Rear protected according to IP20 | |
| Environmental Specifications | Temperature range (operation): | -20..+70°C for the display panel (with automatic switch-off of the display at excess temperatures) |
| | | -40..+70°C, with up to +85°C for 10 minutes according to class Tx (EN 50155) for the computer |
| | | Display is turned off at extreme temperatures |
| | | Conductive cooling |
| | | Fanless operation |
| | Temperature range (storage): -40..+85°C | |
| | Relative humidity (operation): max. 95% non-condensing | |
| | Relative humidity (storage): max. 95% non-condensing | |
| | Altitude: -300 m to +3000 m | |
| | Shock: according to EN 50155 (10.2.11) | |
| | Vibration: according to EN 50155 (10.2.11) | |
| MTBF | 85 051 h @ 40°C according to IEC/TR 62380 (RDF 2000) | |
| EMC | Conforming to EN 50155, EN 50121-3-2/EN 61000-4-5 | |
| | E1 certified by the German Federal Motor Transport Authority | |
| Software Support | Embedded Windows® 7 - Professional Edition | |
| | Linux | |