

P80480V70I_T01B

7.0 Inches, 800xRGBx480, 65K Colors, UNICView LCM



● Display

| Item | Parameter | Description |
|--|---|-------------------------------|
| Color | 65K (65536) colors | 16 bit color 5R6G5B |
| Visual Angle L/R/U/D | 70° /70° /50° /70° | |
| Resolution | 800*480 | 90° rotated display (480*800) |
| Backlight /Lifecycle/Brightness | LED/20,000 HOURS/ 350 cd/m ² | |
| Working Temperature/ Storage Temperature | -20~+70°C/-20~+70°C | |
| Static ESD | ±15KV | |

● Voltage & Current

| Item | Conditions | Min | Typ | Max | Unit |
|-------------------|--------------------------|-----|-----|-----|------|
| Power Voltage | - | 6 | 12 | 42 | V |
| Operation Current | VIN = 12V, Backlight on | - | 280 | - | mA |
| | VIN = 24V, Backlight on | - | 150 | - | mA |
| | VIN = 12V, Backlight off | - | 80 | - | mA |

● Interface

| Item | Conditions | Min | Typ | Max | Unit |
|-------------|--|------|-----|--------|------|
| Baudrate | Standard | 1200 | - | 115200 | bps |
| Interface | RS-232C | | | | |
| Data Format | 1 byte for initial, 8 bytes for data, invalid bytes for checksum, 1 byte for end | | | | |
| Socket | 6P_3.81mm | | | | |

● Working Environment & Reliability Test

| Item | Conditions | Min | Typ | Max | Unit |
|---------------------|----------------------|-----|-----|-----|------|
| Working Temperature | 60%RH at 12V voltage | -20 | 25 | 70 | °C |
| Storage Temperature | - | -30 | 25 | 80 | °C |
| Working Humidity | 25°C | 10% | 60% | 90% | RH |
| Aging Test | - | - | 24 | - | H |
| Protection Grade | IP65 (Front) | | | | |

● Peripherals

| No. | Parameter | Description |
|-----|-----------|---|
| 1 | USB | YES. For downloading offline or user data copy. |
| 2 | USB Mini | YES. For online debugging. |
| 3 | Audio | Support *.MP3 files. Theoretically 4096 file at maximum. Speaker power: 4 Ω 2W or 8 Ω 2W. |
| 4 | Keyboard | Support external row keyboard (8*8 maximum). |
| 5 | Memory | 128M(support *.jpg files, maximum 65536 files theoretically), extended to 1G at maximum. |
| 6 | Others | 4-wire resistive touch screen, buzzer & RTC. |

● Installation Features

| Item | Description |
|---------------|-----------------------------------|
| Case Material | ABS + PC Engineering Plastic |
| Case Color | Black |
| Dimension | 210(mm)×149.5(mm)×28.4(mm) |
| Weight | 470g |
| Accessories | Waterproof rubber gasket, buckles |

