

Product Overview

To accelerate industry 4.0 and solve the problem of lack of connectivity capabilities on traditional equipment. VIC7100, a Vision Intelligence Collector, employs an excellent safety and non-protocol method to extract production data from existing PC-based equipment via display signals in a most efficient way, and especially without affecting in-operation equipment. When the real-time data acquisition kicks off, production data will be acquired and stored into system database.

The acquired data can be further exploited for improving manufacturing efficiency or optimizing costs and operational processes. The VIC7100 system breaks through the limitation of unconnected equipment and simplifies network deployment for smart manufacturing. Moreover, the product comes with a user-friendly interface allowing operators to adjust configuration settings, that makes the installation process become easier and possible to operate remotely. Furthermore, the VIC7100 is compatible with other NEXCOM's related IoT Total Solutions that provide developer tools for users to meet all the needs in designing smart factories.

Software Feature

Data Extraction

- All of ASCII Code
- Up to 800 ROIs
- Up to 20 extraction pages
- Up to 50 chars of data per ROI

Sampling Rate

- 2 Frames per Second

Display Resolution

- Max. Capture In/Out 1920x1080p@60/50 fps

Communication Protocol

- TCP/IP Server
- Modbus TCP Server
- REST API Server
- A maximum of 20 hosts can access into the TCP client mode at the same time

Cross platform software development with HTML5

- Edit Mode using Google Chrome and Edge browser
- Monitor Mode supports Chrome, Firefox, Safari, Edge, IE11 and so on

Hardware Specification

System Configuration

- Intel® Celeron® processor J1900 Quad Core 2.0GHz
- DDR3L-1066 SO-DIMM 4G
- mSATA 64G
- USB 2.0
- Windows® 10 Enterprise (64-bit)

Power Requirement

- AT/ ATX power mode (default with ATX power mode)
- Power input: typical +24VDC ±20%, with reverse polarity protection
- Power adapter: optional AC to DC power adapter (+24Vdc, 120W)

Dimensions

- 50 mm(W) x 157mm (D) x 205mm (H)

Weight Information

- 1.2 KG

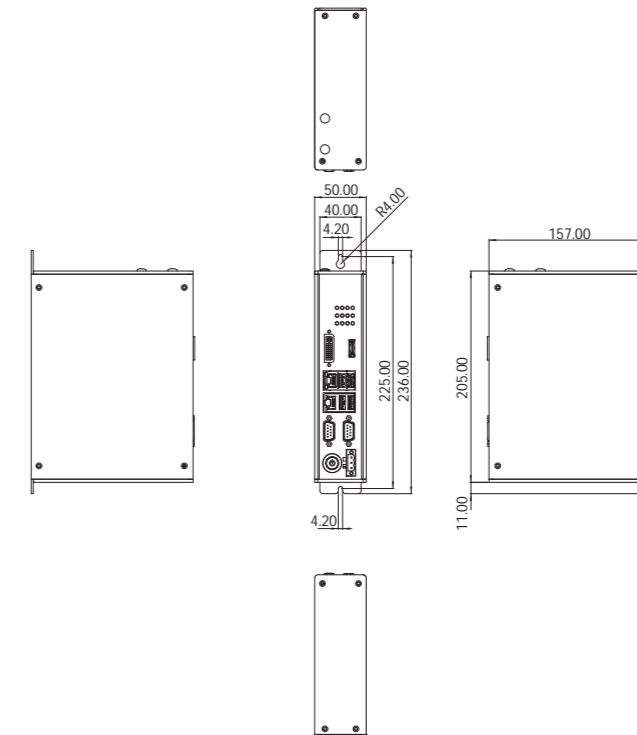
Construction

- Aluminum and metal chassis with front access design

Environment

- Operating temperature:
 - Ambient with air flow: -5°C to 55°C (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -20°C to 85°C

Dimension Drawing



Ordering Information

- **VIC7100 (P/N: 10V70710000XR)**
Data extraction using the VGA standard

Options

- **24V, 120W AC to DC power adapter (P/N: 7400120022X00)**
- **120W POWER CORD 3PIN (US) (P/N: 60233POW38X00)**
- **24V, 180W AC to DC power adapter (P/N: 7400180005X00)**
- **180W POWER CORD 3PIN (US) (P/N: 60233POW17X00)**

- Relative humidity: 10% to 93% (non-condensing)
- Shock protection:
 - HDD: 20G, half sine, 11ms, IEC60068-27
 - CFast: 50G, half sine, 11ms, IEC60068-27
- Vibration protection w/ HDD condition:
 - Random: 0.5Grms @ 5~500 Hz, IEC60068-2-64
 - Sinusoidal: 0.5Grms @ 5~500 Hz, IEC60068-2-64

Certification

- CE approval
 - EN61000-6-2
 - EN61000-6-4
- FCC Class A
- LVD

Solution Architecture

