# VIC 7200

A Non-Intrusive & Non-Protocol solution to extract data from
PC-based equipment



| Image/Display | VIC 7200 | Configure Software |

## Main Features

- No code project builder with Wizard mode
- Non-intrusive method for minimal downtime
- No additional software required to support deployment
- One solution for all machines
- Online process and flexible for any targeted fields
- Outstanding solution for equipment networking capability

## Product Overview

To accelerate industry 4.0 and solve the problem of lack of connectivity capabilities on traditional equipment. VIC 7200, 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.

The acquired data can be further exploited for improving manufacturing efficiency or optimizing costs or operational processes. The VIC 7200 system breaks through the limitation of unconnected equipment and simplifies network deployment for smart manufacturing. Besides, 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 VIC 7200 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

### Main features
- Recorder
- Standard deviation and trend charts
- All of ASCII Code
- Up to 200 ROIs
- Up to 5 extraction pages
- Up to 50 chars of data per ROI

### Sampling Rate
- 1 Frames per Second

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

### Communication Protocol
- TCP/IP Server, Modbus TCP Server, and 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-1600 SO-DIMM 4G
- HDD 2.5 SATA3 1TB *NAS Level
- Linux Ubuntu

### 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
- 185mm (W) x 131mm (D) x 54mm (H) without wall-mount bracket

### Net Weight
- Approx 1.3 Kg

### I/O Interface-Front
- ATX power on/off switch
- 1 x Power status/1 x HDD access/1 x battery low/1 x programming LEDs
- 2 x Intel® I210AT GbE LAN ports; support WoL, Teaming and PXE
- 1 x HDMI
- 1 x USB 3.0 (900mA per each)
- 2 x USB 2.0 (500mA per each)
- 1 x DB9 for COM1 support RS232/422/485 with auto flow control - Jumper-free setting on RS232/422/485
- 1 x 2-pin DC input, support +9 to 30VDC input

### I/O Interface - Rear
- 1 x Remote power on/off switch
- DVI-I display output
- 1x DB9 for COM2, support RS232/422/485 with auto flow control- Jumper-free setting on RS232/422/485
- 2 x DB9 for COM3 & COM4 support RS232 only
- 1 x Mic-in & 1 x Line-out
- 2 x Antenna holes for optional Wi-Fi/3.5G antenna
- 1 x Optional I/F for optional mini-PCIe Wi-Fi/3.5G

VIC 7200

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## Dimension Drawing
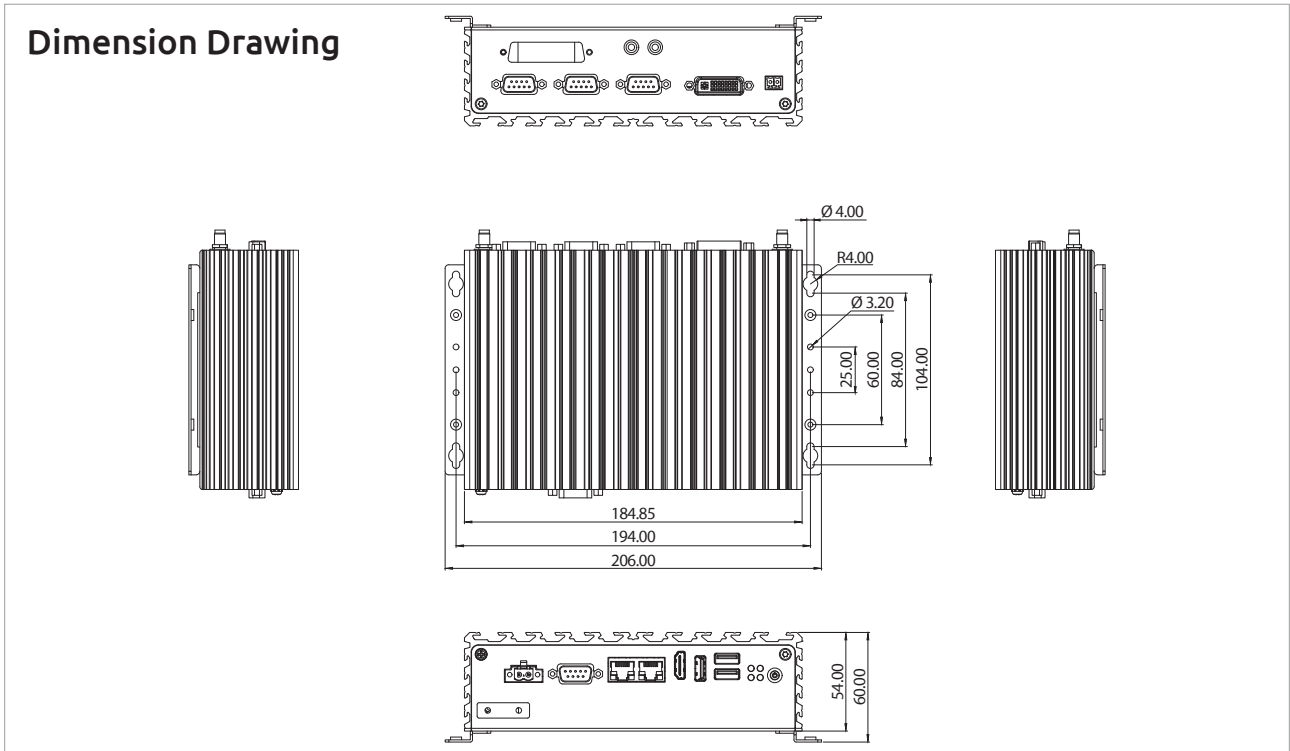


## Construction
- Aluminum and metal chassis with front access design

## Environment
- Operating temperature:
  - Ambient with air flow: -5℃ to 55℃
    (according to IEC60068-2-1, IEC60068-2-2, IEC60068-2-14)
- Storage temperature: -30℃ to 85℃
- 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, IEC60068-2-6

## Certification
- CE
- FCC Class A

## Ordering Information
- **VIC 7200 (PN: 10V70720000XR)**
  Data extraction using the VGA standard

## Options
- **24V, 60W AC/DC power adapter (PN:7400060032X00)**
- **POWER CORD 3PIN (US) (PN:60233POW17X00)**

## Solution Architecture