



## TVR-AI200

|                                      |                                                                                                                                                                                                        |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS                                   | TVR OS (QNE)                                                                                                                                                                                           |
| CPU                                  | ARM Quad-core Cortex-A55 up to 2.0GHz                                                                                                                                                                  |
| CPU Architecture                     | 64-bit ARM                                                                                                                                                                                             |
| Graphic Processors                   | Mali-G52                                                                                                                                                                                               |
| Hardware-accelerated Transcoding     | Yes                                                                                                                                                                                                    |
| System Memory                        | 4GB                                                                                                                                                                                                    |
| Maximum Memory                       | 4GB                                                                                                                                                                                                    |
| Flash Memory                         | 4GB (Dual boot OS protection)                                                                                                                                                                          |
| Max Live Cameras (Local Display)     | 16Mpx                                                                                                                                                                                                  |
| Max Playback Cameras (Local Display) | 4                                                                                                                                                                                                      |
| Max Concurrent Connection (Client)   | 1 from HDMI™<br>4 from other clients via network                                                                                                                                                       |
| Embedded Channel                     | 16                                                                                                                                                                                                     |
| Max Channel                          | 16<br>H264 / 1920x1080 / 30FPS                                                                                                                                                                         |
| Max Throughput                       | 160 Mbps                                                                                                                                                                                               |
| Drive Bay                            | 2x 3.5-inch SATA 6Gb/s<br><br>The system is shipped without HDD.<br>For the HDD compatibility list, please visit <a href="https://www.qnap.com/compatibility/">https://www.qnap.com/compatibility/</a> |
| Drive Compatibility                  | 3.5-inch bays:<br>3.5-inch SATA hard disk drives<br>2.5-inch SATA hard disk drives<br>2.5-inch SATA solid state drives                                                                                 |
| Gigabit Ethernet Port (RJ45)         | 1                                                                                                                                                                                                      |

|                                               |                                                                                                                                                                                                                                        |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PoE PSE (802.3af, 15.4W)                      | Ports 1-16                                                                                                                                                                                                                             |
| PoE+ PSE (802.3at, 30W)                       | Ports 1-16                                                                                                                                                                                                                             |
| PoE Power Output                              | Ports 1-16 (Max 25.5W per port)                                                                                                                                                                                                        |
| Total PoE Power Budget                        | 130W                                                                                                                                                                                                                                   |
| USB 2.0 port                                  | 2                                                                                                                                                                                                                                      |
| USB 3.2 Gen 1 port                            | 1                                                                                                                                                                                                                                      |
| HDMI™ Output                                  | 1, HDMI™ 1.4b (up to 4096 x 2160 @ 30Hz)                                                                                                                                                                                               |
| Form Factor                                   | 1U Rackmount compatible                                                                                                                                                                                                                |
| LED Indicators                                | HDD 1-2, Status, LAN                                                                                                                                                                                                                   |
| Buttons                                       | Power, Reset                                                                                                                                                                                                                           |
| Dimensions (HxWxD)                            | 44 × 360 × 333 mm                                                                                                                                                                                                                      |
| Weight (Net)                                  | 2.16 kg                                                                                                                                                                                                                                |
| Weight (Gross)                                | 3.6 kg                                                                                                                                                                                                                                 |
| Operating temperature                         | 0 - 40 °C (32°F - 104°F)                                                                                                                                                                                                               |
| Relative Humidity                             | 5-95% RH non-condensing, wet bulb: 27°C (80.6°F)                                                                                                                                                                                       |
| Power Supply Unit                             | 190W, 100 - 240V                                                                                                                                                                                                                       |
| Power Consumption:<br>HDD Sleep Mode          | 20.7 W                                                                                                                                                                                                                                 |
| Power Consumption:<br>Operating Mode, Typical | 23.9 W                                                                                                                                                                                                                                 |
| Fan                                           | 1 x 40mm, 12VDC                                                                                                                                                                                                                        |
| Sound Level                                   | 45 db(A)                                                                                                                                                                                                                               |
| System Warning                                | Buzzer                                                                                                                                                                                                                                 |
| File System: Internal Hard Drive              | EXT4                                                                                                                                                                                                                                   |
| RAID Recovery                                 | Yes                                                                                                                                                                                                                                    |
| RAID 1                                        | Yes                                                                                                                                                                                                                                    |
| Single Disk                                   | Yes                                                                                                                                                                                                                                    |
| Wake on LAN (WOL)                             | Yes                                                                                                                                                                                                                                    |
| Syslog Server & Client                        | Yes                                                                                                                                                                                                                                    |
| Language                                      | English, German, French, Italian, Spanish, Polish, Swedish, Danish, Norwegian, Finnish, Russian, Japanese, Korean, Dutch, Czech, Traditional Chinese, Simplified Chinese, Turkish, Hungarian, Romanian, Thai, Portuguese/Brazil, Greek |

Note: Use only QNAP memory modules to maintain system performance and stability. For NAS devices with more than one memory

slot, use QNAP modules with identical specifications and refer to the hardware user manual to install compatible QNAP memory modules.

Warning: Using unsupported modules may degrade performance, cause errors, or prevent the operating system from starting. QNAP reserves the right to replace partial parts or accessories if the original is no longer available from its manufacturer/supplier. Any replacement would be fully tested and verified to meet strict compatibility and stability guidelines and will deliver identical performance to the original.

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Designs and specifications are subject to change without notice.