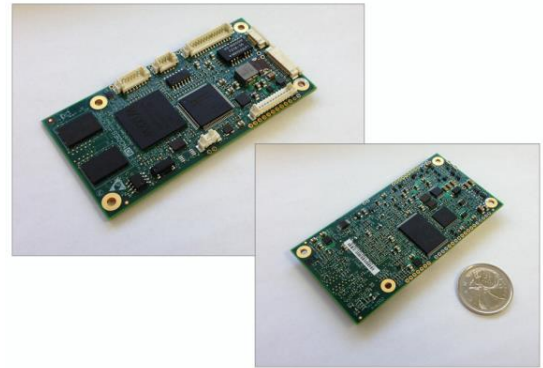


IONODES ATOMAS MINI

The perfect small form factor video encoding platform for OEM and technology partners.

Benefit from our many years of experience in video encoding technology to create the perfect product for your market.

Our Atomas MINI encoder module can easily be tailored to fit your requirements. We can customize the form factor and the feature set, all while leveraging our proven firmware level software platform and API's.



Take advantage of what we do best

- High Performance H.264 Video Encoding
- Low Latency Performance
- Flexible Networking Options
- Small Form Factor Designs
- Video Motion Detection and Image Deinterlacing
- Audio – Video Synchronization
- Administrative Interfaces (Web-based, Silverlight™)
- Standard Network API's (Bonjour, RTSP, OnVIF Profile S, Genetec API, HTTP ION API)
- Edge Recording Functionalities
- Hardware Redundancy
- Fanless and Industrial Grade Design

SONY Block Camera
Direct-Connect



Targeted applications

- Advanced HD PTZ Camera Systems
- Fixed HD Camera Systems
- Military and Law Enforcement Applications
- Thermal Camera Systems



Standard / Integrated Interfaces

| | |
|-----------|--|
| Video In | HD sensor video interface (up to 720p60 / 1080p30) |
| Audio In | Single analog audio input |
| Audio Out | Single analog audio output |
| Network | Standard 10/100 Base-T Ethernet port |
| Alarm In | Two (2) digital input pins |
| Relay Out | Single (1) output relay |
| COM Port | Single (1) serial port (RS422/485) |

Video Compression

| | |
|-------------|--|
| Standards | H.264 High, Main and Baseline profiles Motion JPEG |
| Data Rate | 64 kbps – 6 Mbps per channel (requires less than 1 Mbps @ 4CIF/30fps) |
| Resolutions | Up to HD 720p @ 60 fps / 1080p30 |
| Delay | < 150 ms |

Audio Compression

| | |
|-----------|---|
| Standards | Uncompressed PCM High-fidelity AAC-LC G.711 |
|-----------|---|

Storage

| | |
|----------|--|
| Internal | One (1) micro-SD / SDHC / SDXC interface |
|----------|--|

Protocols

| | |
|-----------------|--|
| Networking | IPv4/v6, UDP, TCP, IGMP, ICMP, ARP, DHCP, DNS |
| Streaming | RTP, HTTP |
| Management | RTSP, HTTP, HTTPS, Bonjour, NTP, Telnet, FTP, SNMP |
| PTZ Integration | Pelco D |

General Features

| | |
|---------------------------------------|---|
| System Administration | Web GUI interface (HTTP or HTTPS) |
| Programming Interface | ION API, GENETEC API, OnVIF Profile S |
| System Monitoring | Video signal, storage subsystem, power supply, temperature, network monitor |
| Access Control | SSL, Basic and Digest Authentication |
| Audio/Video Buffering | Recorded ASF files to micro-SD medium |
| Long Term System Configuration Memory | System configuration stored on internal flash |
| Software Update | Fault-tolerant, remote accessible |
| Alarm Events | Triggered by external input or internal event monitoring |

Mechanical / Environmental

| | |
|-----------------------|---|
| Dimensions | 3.40 in x 1.75 in x 0.30 in |
| Power | 12 VDC (6-16 VDC) 3 to 4 Watts power consumption |
| Operating Temperature | 0°C to 70°C |
| Approvals | FCC, CE |



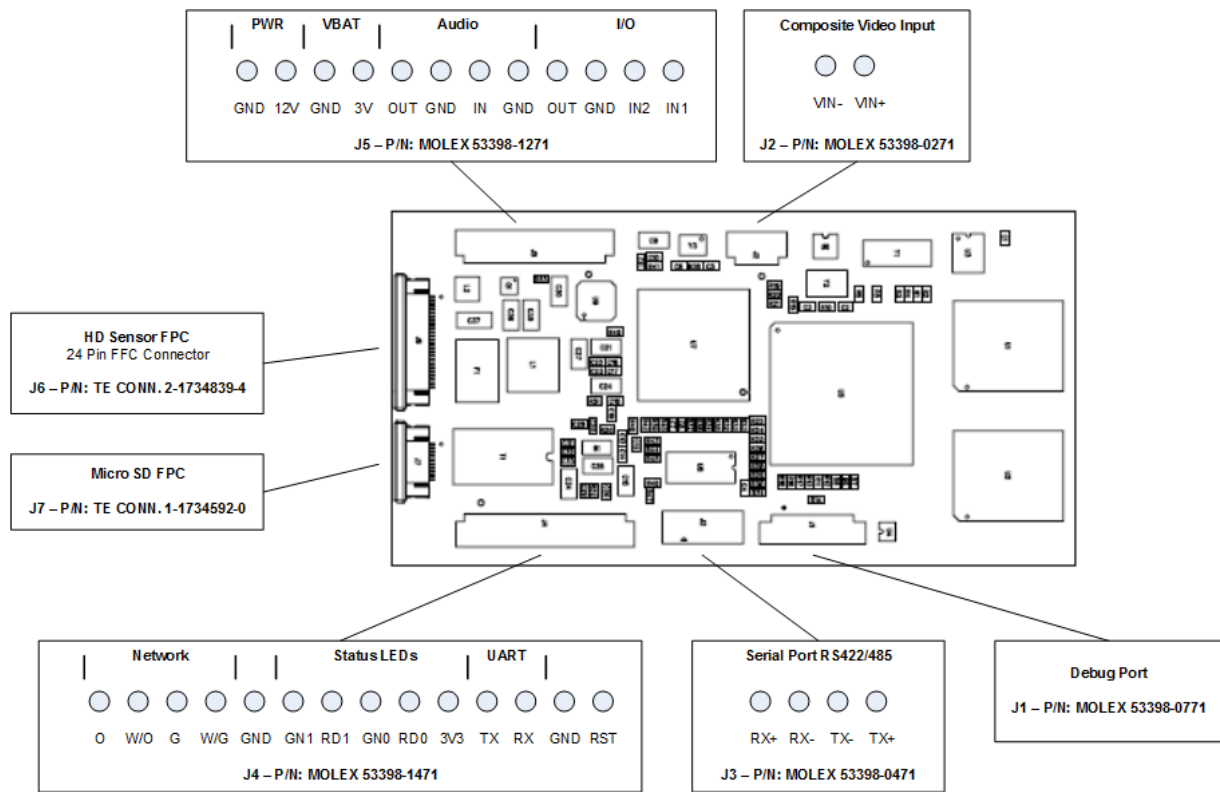
PREMIER ELECTRONICS

SECURITY | DEFENCE | CCTV | ACCESS CONTROL

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ATOMAS-MINI Pinout Summary



Note: please refer to user manual for more details on connectivity.



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