FEATURES

- Encoder 4CH H.264 & MJPEG
- Dual Stream
- Triple Power: DC12V, 24VAC, PoE
- Analog Loop Output
- SDHC card slot
- Motion Triggered Alarm
- Multi Language GUI support
- ONVIF Compliant
## Technical Specifications

### Performance
- **4CH H.264 D1 Realtime Encoder**
- **H.264, MJPEG Codec Supported**
- **Triple Streaming Supported**
- **Main Streaming up to H.264 120 (NTSC)/100 (PAL) FPS @ D1**
- **2nd Streaming up to H.264 30 (NTSC)/25 (PAL) FPS @ CIF**
- **3rd Streaming up to JPEG 30 (NTSC)/25 (PAL) FPS @ CIF (TBD)**
- **Composite Video Out Supported**
- **Quad Mosaic View Supported**
- **Motion Triggered Alarm Supported**
- **Optimal Network Bandwidth Usage**
- **PTZ Camera Supported**
- **Multiple Language**

### Easy Installation
- **Triple Power: DC 12V, AC 24V or PoE**
- **Automatic Router Port Forwarding**
- **DDNS**
- **ONVIF Compliant (TBD)**

### Flexible Configuration
- **Independent Channel Resolution, Quality, and FPS Settings**
- **Flexible Alarm Trigger and Response Configuration**

### Remote and Web Service
- **Password Protected**
- **Two-way Audio**
- **Remote Viewer**: PC Based Remote Agent (Windows, Mac), Web Based Remote Agent, Smart Phone Application (iPhone, iPad, Android, BlackBerry)
- **SDK Support**: RTSP, HTTP Protocol + Codec Library

### Video
- **Input signal**: NTSC/PAL
- **Main monitor**: CVBS
- **Spot Out**: No
- **Loop through**: No
- **Motion area**: 22 x 15
- **Motion levels**: 10
- **Main Streaming Codec**: H.264
- **Resolution**: CIF, 2CIF, D1
- **2nd Streaming Codec**: H.264
- **Resolution / Rate**: CIF 30/25fps
- **3rd Streaming - TBD Codec**: JPEG (TBD)
- **Resolution / Rate**: CIF 30/25fps (TBD)
- **Alarm I/O**: Alarm IN 4CH, Pulled up to 5V via 10KOhm, Alarm OUT 1 relay
- **Interfaces**: USB 1 ports, RS-485 1, RS-232 1, LAN 1 (POE), Micro SD -
- **ETC Signal switch**: NTSC/PAL Selector (TBD)
- **Remote control**: Yes

### Power
- **Power supply**: DC 12V, AC 24V 50~60Hz
- **PoE**: Yes
- **Power consumption**: TBD
- **Cooling fan**: -

### Environment
- **Temperature**: 0°C ~ 50°C
- **Humidity**: 10~90% NC

### Chassis
- **Dimension**: 152 x 103 x 48 (W x D x H)
**TECHNICAL SPECIFICATIONS**

**Streaming**
- Video compression: H.264, JPEG (3rd Stream, TBD)
- Audio compression: G.711
- Main streaming rate / resolution:
  - NTSC: Up to 60fps @704x480 /PAL: Up to 50fps @704x576
  - NTSC: Up to 120fps @704x240 /PAL: Up to 100fps @704x288
  - NTSC: Up to 120fps @352x240 /PAL: Up to 100fps @352x288
- 2nd streaming rate:
  - NTSC: Up to 30fps @352x240 /PAL: Up to 25fps @352x288
- 3rd streaming rate:
  - NTSC: Up to 30fps @352x240 /PAL: Up to 25fps @352x288

**Local Monitoring**
- Display rate: 20fps/10fps
- Display resolution: 704x480 / 704x576 (CVBS)
- Display mode: 1/4/SEQUENCE
- Sequence: Yes
- Camera color control: Yes (CONTRAST, COLOR, TINT, BRIGHTNESS)

**Log**
- Event log: Yes
- System log: Yes
- Setup log: Yes
- Remote log: Yes

**Network**
- Max connections: 4
- DHCP: Yes
- DDNS: Yes
- Bandwidth Control: Yes
- Web browser access: Yes
- Remote monitoring: Yes
- Remote setup: Yes
- Remote PTZ control: Yes
- Remote healthcheck: Yes
- VMS support: Yes
- Two-way audio: Yes
- PC based remote agent: Yes (Windows, Mac)
- Smartphone application: Yes (iPhone App, Android App, Android, Blackberry)
- Web based remote agent: Yes (WINDOWS® LINUX MAC OS/X® ETC.)
- SDK: Yes (HTTP/RTSP Protocol Based SDK)
- E-mail notification: Yes
- Authority control: Yes
- Protocols: RTP, RTSP, RTCP, NTP, SMTP, HTTP, DDNS, DHCP, uPnP (For Port Forwarding)

**Event**
- Video loss event: Yes
- Event notification: Yes
- Alarm event: Yes
- Motion detection: Yes (10 level)
- Motion sensor area: 22x15 / 22x18

**System**
- Operating system: LINUX®
- DST setup: Yes
- FW upgrade: Yes
- PTZ control: Yes
- Languages: Multi-Language (19ea)