Features

- Supports both HD and SD H.264/MPEG-4 AVC or MPEG-2 decoding
- Input: Bursty or Smooth IP
- Output: One or two channels of SDI and HD-SDI
- Security scanned for vulnerabilities
- IP Input protocols: HTTP Live (HLS), UDP, RTP, RTSP, HTTP, RTMP (pushed from Flash server)
- Supports H.264 High Profile @ Level 4.0 (HP@L4)
- Supports MPEG-2 as well
- Supports 1080p60, 1080i, 720p, 480i, 480p, CIF, QCIF, qHD, H.264 up with 29.97 or 59.94 and many others, and custom resolutions
- Color Space: 4:2:0 for H.264 and MPEG-2
- Audio Input: AAC, MPEG-1 Layer II, optional MP3, and/or optional “SurCode for Dolby Digital” AC-3
- Audio Output: Embedded pass-through
- Remote GUI includes some scheduling
- SNMP, REST, SOAP support for remote management and monitoring
- Relies on Intel® Xeon® processor
- Supports Octoshape™ Client, upLynk™, and Infinite Uplink™ on GUI

Applications

- Axis IP camera decoder for On Air use

Overview

Streaming video via RTSP or RTMP is the most efficient methodology for delivering SD and HD content from IP cameras over the public internet. IP cameras don’t always bring back broadcast quality frame rates inasmuch as they are geared towards low cost applications. Broadcast platforms are more stringent in that they expect 30 fps with a constant bit rate.

Thanks to some unique algorithms the D-Streamer IP/DIG Axis Weather Cam can deliver a professional quality decoding experience for broadcasters who wish to put their IP camera outputs on the air.

This embedded Linux® based unit is designed to be affordable, scalable, and extendable. Modifications to video formats are easily created. Remote management and multi level security is built in.
**Inputs/Outputs**

LAN    WAN
(Either can be Used for IP)  SDI/HD-SDI Outputs

**Specifications**

**Supported Resolutions – Input**

<table>
<thead>
<tr>
<th>Resolution</th>
<th>LAN</th>
<th>WAN</th>
<th>SDI/HD-SDI Outputs</th>
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<tbody>
<tr>
<td>1920 x 1080</td>
<td>720 x 480</td>
<td>480 x 480</td>
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<tr>
<td>1280 x 720</td>
<td>704 x 480</td>
<td>480 x 320</td>
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<tr>
<td>720 x 576</td>
<td>640 x 480</td>
<td>320 x 240</td>
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<td>720 x 480</td>
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<tr>
<td>qHD H.264up</td>
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</table>

Also supports any custom resolution not listed here. Note: Supports closed captions.

**IP Input**

- **Input:** Single Channel Gigabit Ethernet port (RJ45)
- **Audio Input:** AAC, MPEG-1 Layer II, optional MP3, and/or optional “SurCode for Dolby Digital” AC-3
- **Input “wrappers”:** HTTP Live (HLS), UDP, RTP, RTSP, HTTP, RTMP (pushed from Flash server), Octoshape™
- **Type:** IP-multicast, IP-unicast
- **Remote Setup – IMPORTANT:** User may need to assign static IP or provide access to router

**SDI/HD-SDI Output**

- **Video:** Up to 2 SDI or HD-SDI (Blackmagic) outputs, with Genlock
- **Audio:** Embedded pass-through
- **Resolutions:** Up to 1080p60

**Administration**

- **Access:** Web interface, SSH (Secure command line interface)
- **SNMP:** Monitoring and alerts
- **Scheduling:** On, Off support for timeslots

**CPU and Operating System**

- **CPU:** Intel® Xeon® processor
- **OS:** DVEO embedded Linux® on SSD

**Physical & Power**

- **Size – 1 RU (W x D x H):** 19 x 14.96 x 1.7 inches (483 x 380 x 43.4 mm)
- **Voltage:** 100-240V, 4-2A, 60-50 Hz, 220 watts
- **Operating Temperature:** 10°C to 35°C
- **Non-operating Humidity:** 20% to 90% non-condensing
- **Weight:** 15 lbs. (6.8 kg)
- **Conformities:** UL, BSMI, CSA, FCC, CE, RoHS

**Security**

- Ports security scanned to MIL requirements prior to shipment

**Ordering Information**

D-Streamer IP/DIG Axis Weather Cam – 1 to 2 SDI/HD-SDI outputs

Note: Unit supports Bosch and other brands of IP cameras