Remote / At-Home Production over IP.

Deliver multi-camera feeds from remote location to the studio.

JVC Professional camcorders feature built-in streaming encoders with LAN/Wi-Fi connectivity to provide broadcast-quality Video-over-IP directly from the camera, no additional backpacks or encoders needed.

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor</th>
<th>Lens</th>
<th>Recording</th>
<th>Video-over-IP</th>
<th>Protocols</th>
<th>Error Correction</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY-HC900</td>
<td>3 x 2/3&quot; CMOS</td>
<td>B4 mount</td>
<td>10-bit 4:2:2</td>
<td>1080 60p up to 24 Mbps</td>
<td>UDP, RTP, RTMP, RTSP, Zixi RIST</td>
<td>SMPTE 2022 Zixi RIST</td>
</tr>
<tr>
<td>GY-HC550</td>
<td>1&quot; CMOS</td>
<td>24x Zoom</td>
<td></td>
<td>H.264</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Workflow:

When the broadband Internet connection is available on location and at the studio, the workflow is simply connecting camera LAN to the router or using built-in camera Wi-Fi for wireless connectivity. The BR-DE900 decoders placed at the studio will provide the HD-SDI/HDMI outputs for video switcher.

The multiple cameras Timecode (free-run mode) synced on location is embedded in the IP transport streams and synchronized by the KM-IP6000 IP Video switcher in the studio.
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Wired Broadband Internet:

When the on-location Internet connection is slow, unstable or not available, JVC can offer various solutions including multiple WANs bonding, load balancing, and LTE bonding.

Aggregating two or more ISPs provides cost-efficient bandwidth increase for long-format production.

Wireless Internet - LTE Bonding:

Aggregating Routers

Hardware or Cloud based

Bonded LTE Access Points provide full Internet connectivity for bidirectional streaming and data transfer from multiple cameras, encoders, decoders and IoT devices in the field. (based on available bandwidth)

Bonded LTE Access Points

<table>
<thead>
<tr>
<th>Model</th>
<th>LTE-A Modems</th>
<th>Antennas</th>
<th>Wi-Fi Hotspot</th>
<th>Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>SFE-CAM</td>
<td>2</td>
<td>Internal</td>
<td>Built-in</td>
<td>AB / V-mount battery</td>
</tr>
<tr>
<td>WB-CELL210</td>
<td>2</td>
<td>High-Gain External</td>
<td>WB-MAP100</td>
<td>12V (car installation)</td>
</tr>
<tr>
<td>WB-CELL410</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Built-in decoder to receive Return Video and IFB over the Internet:

Return Video over IP display:

- EVF
- LCD
- SDI-2 / HDMI output

Encoder:

Streaming directly from the camera(s) may not fit the workflow and separate encoder is needed to stream the output of a switcher or from other HD-SDI source. The BR-EN900 Encoder supports HEVC and H.264 and is fully integrated into JVC Remote Production workflow.