Discover FlinQ for wireless displays

FlinQ™ technology is an innovative image processor invented by intoPIX that enables higher quality and a significant gain of efficiency for high performance and reliable visual communication. FlinQ™ technology delivers flawless video quality and display transmission over wireless links at the speed of light.

It opens up a realm of new capabilities to manage pixel perfect 4K and 8K display and video content, leveraging existing IT infrastructures and networks with very low power consumption, while safeguarding micro-second latency.

OPTIMIZED FOR ALL TYPE OF SCREEN-CONTENT
Excel tables, fine text, natural video, CGI, video games, ...

Simplify connectivity,
Preserve quality with no latency!
Technology benefits & Applications

- Flawless imaging profile on any content: patented display and video modes enable recovery of all the original information
- Pixel perfect quality: Natural video, CGI, and fine text without compression artefacts
- Extremely low power: Extremely low resource and memory usage
- No latency: 1/10th of a millisecond (imperceptible to human)
- High flexibility: Any resolution, color depth or frame rate - multi-video & display-format management

**Optimal bandwidth for wireless displays**

- **Down to 200 Mbps** [pixel perfect at 450Mbps/4K screen] and **scalable up to 8K wireless** [pixel perfect at 1 Gbps]
- Optimal for latency critical applications: virtual desktop, live [second] screen sharing, wireless TV, gaming.
- Optimal for wireless protocols such as WiGig, 5G, Wifi-6 ...

**IP-core & SDK implementations specifications**

<table>
<thead>
<tr>
<th>VIDEO I/O</th>
<th>FPGA / ASIC IPs</th>
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<tbody>
<tr>
<td>Color format</td>
<td>RGB, YCbCr (SDR &amp; HDR support)</td>
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<tr>
<td>Color subsampling</td>
<td>4:4:4, 4:2:2, 4:2:0</td>
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<tr>
<td>Bit depth</td>
<td>8 / 10 / 12 bits per component</td>
</tr>
<tr>
<td>Resolution</td>
<td>Any resolution up to 8K</td>
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<tr>
<td>Frame rates</td>
<td>60fps / 120fps</td>
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<table>
<thead>
<tr>
<th>FlinQ</th>
<th>CPU / GPU SDKs</th>
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<tr>
<td>Quality</td>
<td>Pixel Perfect Quality</td>
</tr>
<tr>
<td>Rate control / Latency</td>
<td>CBR (constant bit rate) or VBR (variable bit rate) modes</td>
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<tr>
<td></td>
<td>Less than 1 frame [only few lines] of latency</td>
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<td>Additional Feature</td>
<td>Embedded downscaler in decoder</td>
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**IMPLEMENTATION**

- Real-time operation guaranteed [no overflow or underflow]
- Powerful, real-time
- Common APIs

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