Realistic, seamless brilliance for your indoor customers.

**IF Series Smart Direct-View LED Signage**

When you’re looking for a premium upgrade, Samsung’s IF Series delivers an optimal LED experience. The IF Series combines market-leading video processing tools with High Dynamic Range (HDR) picture refinement technology, to maximize brightness and fine-tune overall picture presentation. This unique combination delivers a cutting-edge, captivating viewing experience in virtually any indoor environment. A comprehensive solution, Samsung IF Series signage displays make it easy to share content with minimal hassle, and impress viewers with ease.

### Key Features

- **High Dynamic Range Technology for Superior Images**
  HDR picture technology optimizes brightness for more realistic viewing, with a full spectrum of color and all the details. It analyzes and fine-tunes grayscale levels within each frame to maximize contrast, while a complementary algorithm removes glare.

- **Optimize Content Brilliance**
  Dynamic peaking technology minimizes potential interference from natural or ambient lighting. You can display content at peak brightness levels nearly twice as high as standard LED signage, for content that stands out even against white or dark backgrounds.

- **Advanced Grayscale**
  A unique grayscale management algorithm delivers consistent reds, greens and blues without distortion, even in low grayscale settings.

- **Perfect Calibration**
  Rigorous factory calibration fine-tunes all IF Series sub-pixels for uniform brightness and color chromaticity out of the box.

- **Slim and Light Design**
  The IF Series’ sleek frame and screen have a depth of just 90 mm (95mm for IF012J), ensuring compliance with Americans with Disabilities Act (ADA) protrusion regulations.

- **Full-Front and Rear Access**
  IF Series displays offer full-front access to critical signage components. Quick-turn maintenance is simplified by making rear display components fully accessible without removal or disassembly.

- **Streamlined Content Management**
  Samsung’s Signage Box (S-Box) consolidates content delivery to a single, centralized device. Transmit UHD content across multiple IF Series displays without needing external boxes or splitters.

*Contact Us:* samsung.com/b2bdigitalsignage
## Samsung IF Series
### Smart Direct-View LED Signage

<table>
<thead>
<tr>
<th><strong>Electrical Parameter</strong></th>
<th><strong>IP212</strong></th>
<th><strong>IP21H</strong></th>
<th><strong>IP22H</strong></th>
<th><strong>IP22H-D</strong></th>
<th><strong>IP40H-D</strong></th>
<th><strong>IP60H-D</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Video Rate</strong></td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>50 Hz</td>
<td>50 Hz</td>
</tr>
<tr>
<td><strong>Input Power Range</strong></td>
<td>100 - 240 VAC, 50/60 Hz</td>
<td>100 - 240 VAC, 50/60 Hz</td>
<td>100 - 240 VAC, 50/60 Hz</td>
<td>100 - 240 VAC, 50/60 Hz</td>
<td>100 - 240 VAC, 50/60 Hz</td>
<td>100 - 240 VAC, 50/60 Hz</td>
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<tr>
<td><strong>Power consumption - Max</strong></td>
<td>620 W/m²</td>
<td>1,920 W/m²</td>
<td>1,920 W/m²</td>
<td>1,920 W/m²</td>
<td>1,920 W/m²</td>
<td>1,920 W/m²</td>
</tr>
<tr>
<td><strong>Power consumption - Typ</strong></td>
<td>257 W/m²</td>
<td>770 W/m²</td>
<td>1,200 W/m²</td>
<td>1,200 W/m²</td>
<td>1,200 W/m²</td>
<td>1,200 W/m²</td>
</tr>
<tr>
<td><strong>Heat generation - Max (BTU / SF)</strong></td>
<td>2,800 - 10,000K</td>
<td>2,800 - 10,000K</td>
<td>2,800 - 10,000K</td>
<td>2,800 - 10,000K</td>
<td>2,800 - 10,000K</td>
<td>2,800 - 10,000K</td>
</tr>
<tr>
<td><strong>Refresh Rate</strong></td>
<td>3,840 Hz</td>
<td>3,840 Hz</td>
<td>3,840 Hz</td>
<td>3,840 Hz</td>
<td>3,840 Hz</td>
<td>3,840 Hz</td>
</tr>
</tbody>
</table>

### Connectivity

1. Service
2. Data Out
3. Switch
4. Service
5. Power Out
6. Service
7. Swith
8. Service
9. Data In
10. Power In

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