



Video Engine for HD Communication

H.264 based HD Video Engine for high-end communication systems

Ittiam Systems introduces **VE-HD**, a High Definition Video Engine with video encode and decode subsystems for multi-processor HD Video conferencing and telephony applications. **VE-HD** includes optimizations and features specific to video communications to deliver high quality and reliable video at low latency over the internet. **VE-HD** is ideally suited for ODM/OEMs requiring specialized video systems for their video communication products.

<p>System Features</p> <ul style="list-style-type: none">▪ Complete system offering including :<ul style="list-style-type: none">• Video IO management• Video codec and stream processing• XML based RPC mechanisms with host• System firmware management and upgrade▪ Easy integration with a third party VoIP subsystems with robust AV synchronization algorithms▪ Advanced video QoS with jitter management and dynamic bandwidth adaptation via RTCP▪ Automatic detection of incoming video compression format and resolution▪ Multiple configurability options<ul style="list-style-type: none">• Video Mute• Display positions and size• Video resolutions• Advanced Video parameters	<p>Specialized Video Toolsets</p> <ul style="list-style-type: none">▪ Distortion based adaptive intra refresh for improved error resilience and recovery▪ Low delay rate control▪ Row based slice support <p>Media Format</p> <ul style="list-style-type: none">▪ Video formats:<ul style="list-style-type: none">• H.264 BP, H.264 MP▪ Video resolutions:<ul style="list-style-type: none">• 1080p@25/30 frames per second• 1080i@50/60 fields per second• 720p @50/60 frames per second▪ Video bit rates:<ul style="list-style-type: none">• 1 to 10 Mbps▪ Streaming format:<ul style="list-style-type: none">• H.264 ES streamed over RTP/UDP• Compliant to RFC3550/3550 and RFC 3984• RTCP
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About Ittiam

Ittiam Systems Private Limited, headquartered in Bangalore, is a technology product company singularly focused on digital signal processing systems in media and communication. The company operates through its network of offices and representatives around the world. Ittiam's customers include Fortune 100 companies and are distributed across U.S., Europe, Japan and Asia. Since 2004 the company has been consistently rated as the 'World's Most Preferred DSP IP Supplier' in the annual surveys conducted by Forward Concepts Incorporated. In 2005 Ittiam had been selected by Red Herring into the top 100 private companies in Asia. In 2007, Ittiam received the NASSCOM India IT Innovation Award, a prestigious recognition of the company's innovative product designs. For more details, visit www.ittiam.com.