



## PRESS RELEASE

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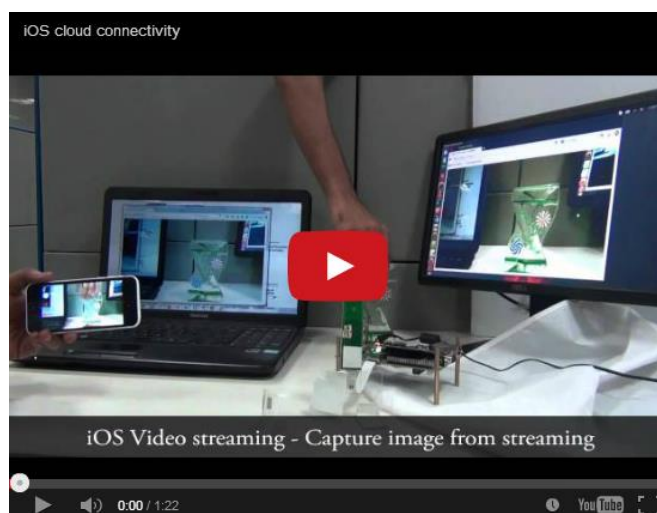
### e-con Systems announces iOS Services for embedded device connectivity

*e-con Systems' iOS team offers services for embedded device connectivity to iPad/iPhone, remote device monitoring using cloud, video streaming over WiFi Direct and other iOS applications used with embedded devices.*

**St. Louis, USA / Chennai, India - Jan 28, 2015** - e-con Systems Inc., a leading embedded design services company specializing in Computer on Modules, Camera and product design services has launched [iOS services](#) as part of its service portfolio.

e-con Systems' iOS services would concentrate primarily on iPad/iPhone connectivity applications that interact with embedded devices over Bluetooth Low Energy, WiFi or USB Accessory also known as Connected Devices or Accessory Devices. The services would enable embedded devices communicate with iOS devices and also connect to the cloud for data and processing offloading. The engineering team at e-con specializes in remote device monitoring and control, where a remote embedded device communicates with a cloud server to upload necessary information and processed information and alarms are pushed to the iPhone from the cloud. Keeping up with its expertise on cameras and Audio Video applications, iOS team has worked on optimizing video streaming stack for the iOS and enabled streaming HD video with minimal latency.

*"We have customers questioning the need for an LCD display on these devices, when they already have a screen, in the form of tablet or phone. Some of our customers need their devices to communicate with their phones and tablets for formatting and presenting the data to user or further processing and storing in the cloud. These devices which are predominantly cameras or sensors are traditionally interfaced to PC/Laptop systems which are being replaced with iPads and tablets. Adapting to this latest trend and to serve our customers better, we have been investing in the iOS services and R&D. This is a natural extension for our embedded product design services team, as we are witnessing new generation of connected devices that are connected to cloud through mobile phones and tablets",* said Ashok Babu, President of e-con Systems.



**Demo: iOS cloud connectivity**



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Customers who are into embedded product development would immensely benefit from the iOS services of e-con Systems as now they can use e-con systems as their single point solution provider right from Board design, Firmware Development, Driver development, manufacturing and Mobile connectivity applications. It complements the [product design services](#) that e-con Systems have been offering for the past 10 years. Other customers of e-con Systems who have bought OEM products like camera modules and System on Modules can use e-con Systems' iOS services to develop iOS applications that connect to their devices.

e-con Systems has invested in R&D of iOS applications and solutions like remote monitoring and video streaming and have worked with a few customers on implementation of some of those ideas as well.

Remote monitoring of an embedded device involves the embedded device communicating with the cloud to push data. A cloud service would monitor and process the data and send alarms and specific data to the iPhone and iPad devices as notifications and the user can get access to all information from the device remotely. The user can also control and manage the remote device from his mobile phone. While e-con systems has worked on developing such applications and frameworks, the possibilities and use cases for such requirements are endless. e-con Systems can provide the necessary services to provide end to end solutions in this area

Video streaming to an iPad has also been a subject of R&D at e-con Systems. Lot of camera customers have been wanting to stream video over wireless to an iPad instead of having a local LCD screen. e-con Systems has invested a lot of R&D effort in optimizing the video streaming stack and playback on the iPad and has got streaming HD video. The latency and frame drops have been a very frustrating part of video streaming on iPads and e-con systems has worked to reduce these to very acceptable limits. With these optimized stacks e-con can serve a lot of its camera customers with reliable solutions that can be delivered faster.

To know more about e-con Systems' iOS services, please visit <http://www.e-consystems.com/iOS-application-development.asp>. Also watch demo of iOS cloud connectivity at <https://www.youtube.com/watch?v=yFpj7XJQPek> and demo of iOS live video streaming at <https://www.youtube.com/watch?v=JcpgGDpfVU0>

### **About e-con Systems**

e-con Systems is an embedded product engineering services company serving customers for over a decade and helping them bring products to market. To enable efficient development and quicker time to market, e-con Systems offers OEM products like embedded camera modules, USB cameras, System on Modules which act as building blocks for customer products. With Board Design, Firmware, BSP and Drivers, Applications and Manufacturing services, e-con Systems is an ideal product development partner.

e-con Systems has customers for its OEM products and design services across the USA and Europe.

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