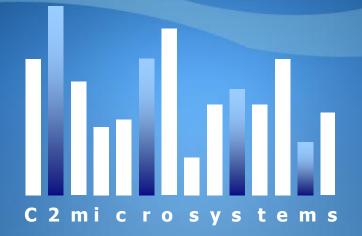
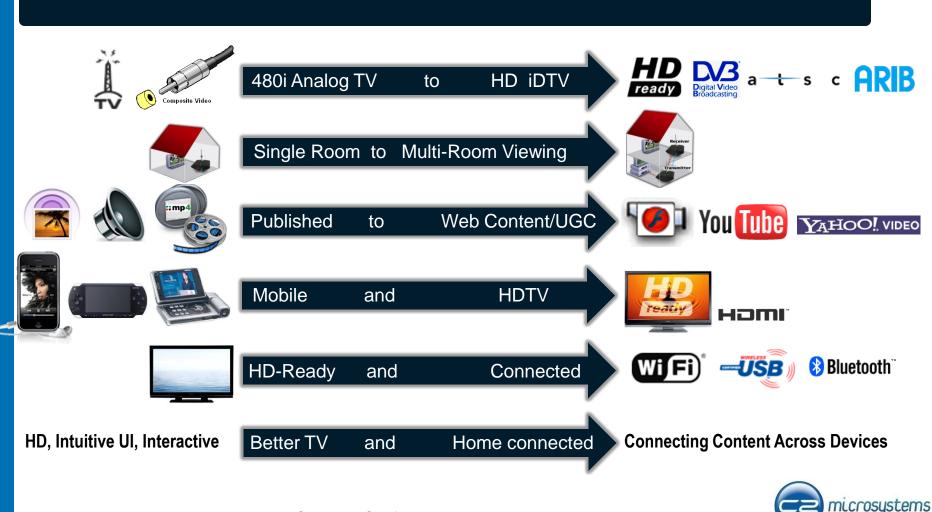


## Powering Connected TV with C2 Media Processor



## **Evolution of TV Technology**



#### Expanding into new segments A New Dimension in Viewing TV

#### **Traditional home TV**

- Evening prime time
- Daytime television
- Averaging 2 hours a day





## New, seamless TV over 3 screens

- Snack Size: 2 ~ 10 minutes
- Commute time ~ 40 minutes
- Lunch time ~ 30 minutes
- Free time ~ 60 minutes

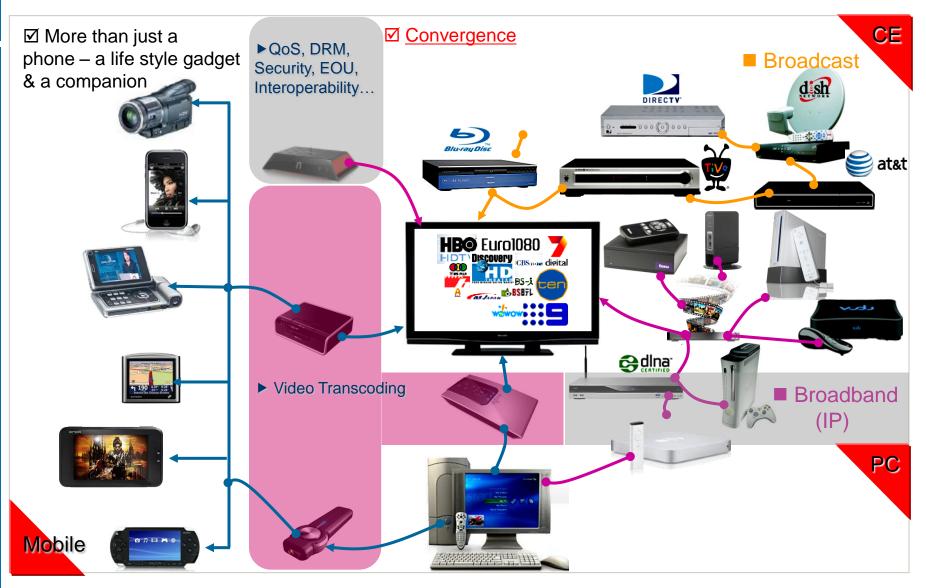


### Summary

- Connected TV are rising, all players in the ecosystems are having major actions going to this field. (Operators, Content Providers, Appliance manufactures and Semiconductors)
- Home entertainment are shifting from cable & direct broadcast to internet and pc based. Industry CE players are in the race to connect internet video to the TV.
- Advances in silicon technology have improved the performance and lowered the cost of ownership of network-capable consumer electronics. (DMA, networked DVD, hybrid STB, media player/networked, and internet TV)
- Most of the silicon companies with the capabilities of delivering internet video are lack of providing turn-key solution and services.
- As the worldwide internet infrastructure are becoming better and faster, Internet based content delivery to TV will become mainstream.



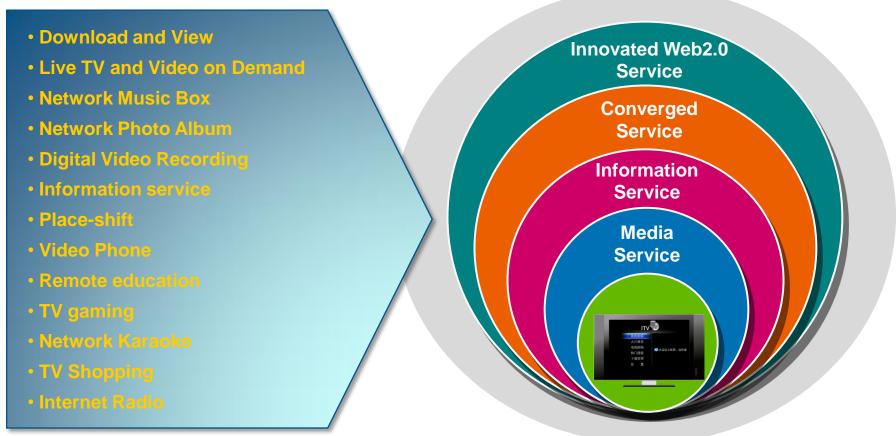
#### **Connected TV world**





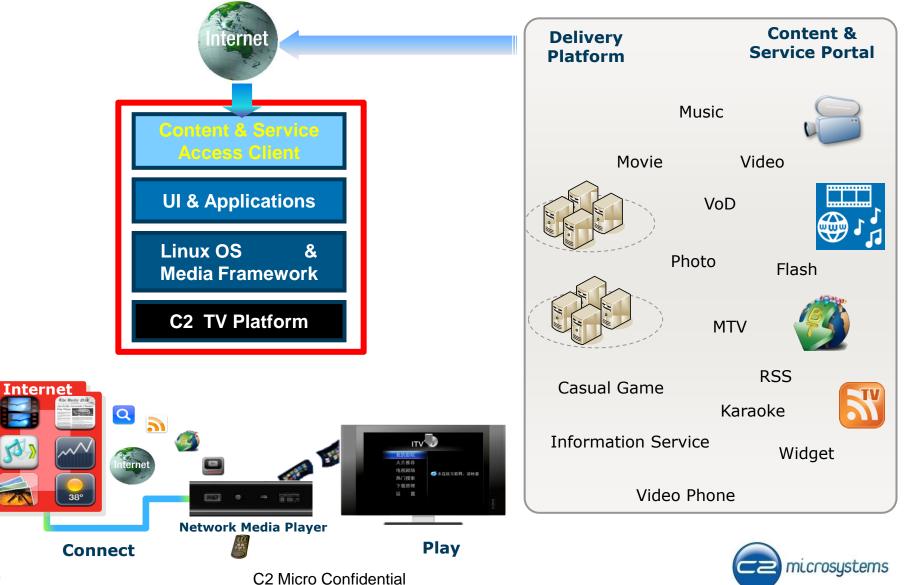
## **Prime Business Opportunities**

With a broadband-enabled network TV as display device, a number of broadband multimedia services can be offered:





## It's about delivering content and services to TV



### **TV Manufacturer Offering**

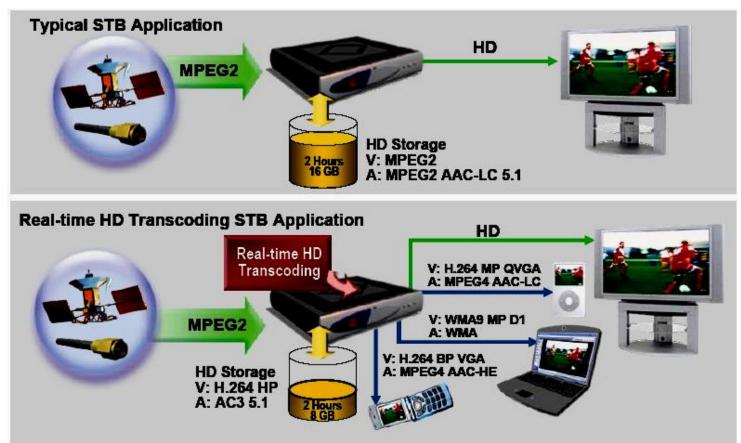
Manufacturer	Panasonic	Sony	Samsung	Vizio
Service	Vieracast	Bravia Link	Info.Link	Extrem XVT
Example				SHARD BUDGOOD
Content Partner	Google	Yahoo! (Portal)	USA Today (RSS Feeds)	Rhapsody Amazon video
Feature	YouTube Picasa	YouTube SI Yahoo! content	News Weather Sports Finance	SNS Yahoo Widget

#### Problem: only have access to limited, primitive contents



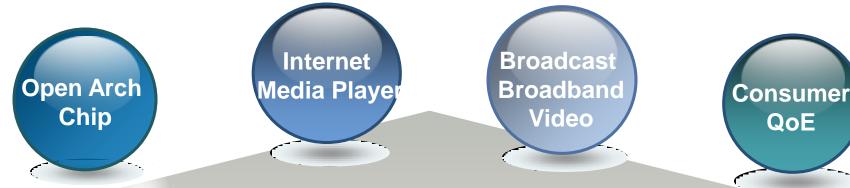
## **Opportunities**

With the evolution of TVs and the content, the needs for making it more "<u>User</u> <u>Friendly</u>" and "<u>Accessible</u>" has always been the driving force to all sections.





#### What's the Best Solution?



 Open architecture processor, running standard Linux OS, easy integration various applications & services.  Full feature Internet browser, access to all internet video format.
 Best easy-of-use media player  Digital TV, Analog TV, Internet Video, all program can be integrated into one box. Bring rich content to end user

Page 10

 Consumer SoC, remote control, HD decoding

ternet Media Dlever Kov Feeture

Enjoy more

Internet Media Player Key Features

**C2 Offers Best Network Media Player Solution in Industry** 



C2 Micro Confidential

#### About C2

- Founded by veteran Silicon Valley entrepreneurs to create the best technology in the world for networked entertainment

- Dedicated to the delivery of rich media internet content and services to the living room

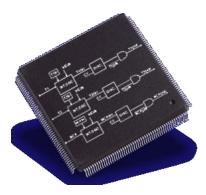
- Developed the Jazz architecture and products to address the need for cost-effective solutions for consumer electronics devices



### **Jazz Media Processor Architecture**

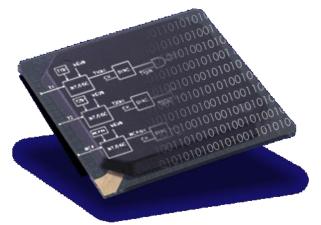
#### Hard-wired

- + Cost-effective
- + Low power
- Fixed function
- Slow time-to-market for new features



#### Jazz

- + Cost-effective
- + Programmable where necessary
- + Fast time-to-market for new features



#### **CPU / DSP**

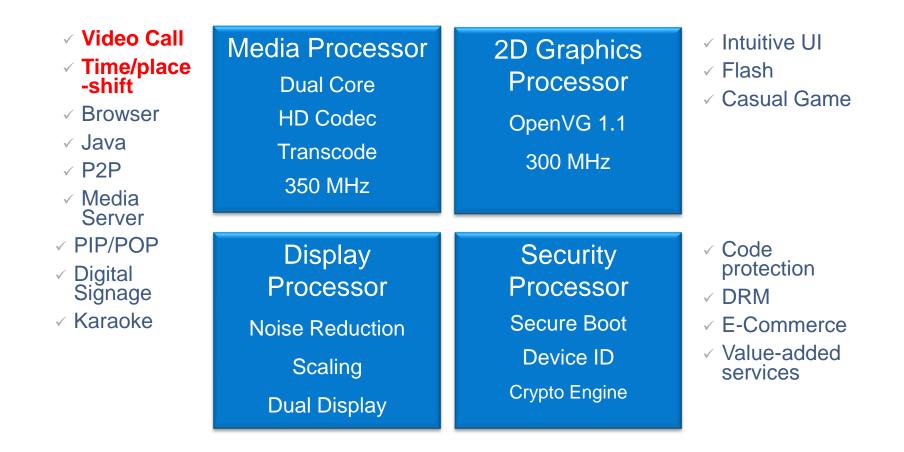
- + Programmable
- + Fast time-to-market for new features
- Expensive

#### Optimal tradeoff between hardware acceleration and software flexibility

C2 Micro Confidential



## Jazz processor enables next generation TV Applications





#### C2 benefits

Architected for rich media	Designed for the internet	
content	<ul> <li>Flexible/all codec support</li> </ul>	
<ul> <li>High performance general purpose processor</li> </ul>	<ul> <li>Linux-based for fast product development</li> </ul>	
<ul> <li>Extension for rich media data</li> </ul>	<ul> <li>Browser-based content delivery</li> </ul>	
<ul> <li>Hardware acceleration of commonly used operations</li> </ul>		
Optimized for CE	Complete Solution	
<ul> <li>Highly integrated</li> </ul>	<ul> <li>Silicon Device</li> </ul>	
•Low cost	<ul> <li>Media processing software</li> </ul>	
•Low power	<ul> <li>Applications software</li> </ul>	
<ul> <li>Small physical footprint</li> </ul>	<ul> <li>Hardware design</li> </ul>	

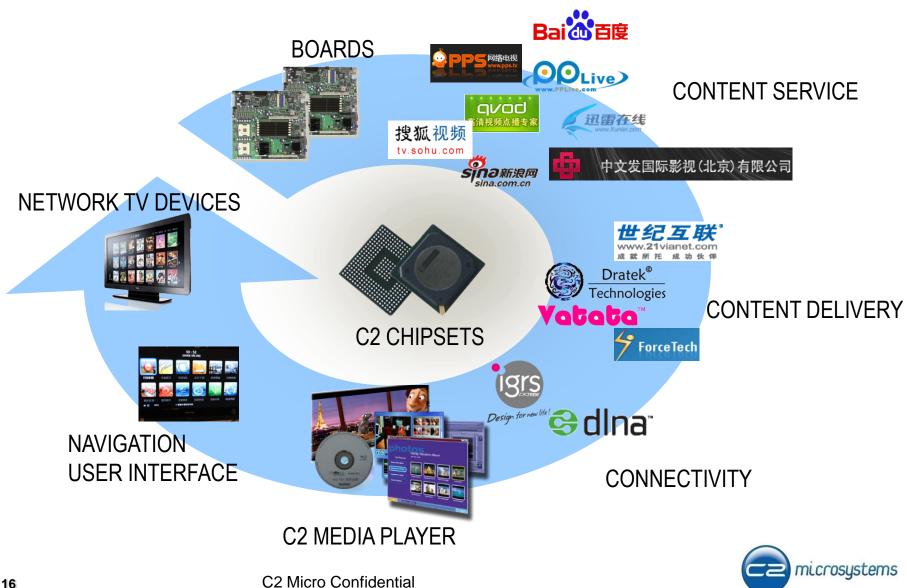


# Other network TV features can be enabled by C2

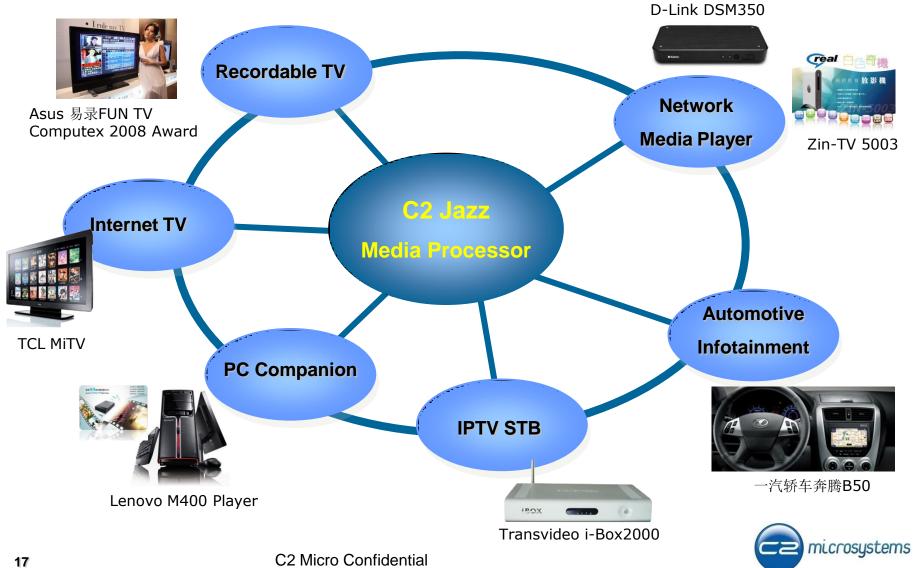
Internet TV Services		
Broadcast TV Channels	Analog/Cable/Terrestrial	
Video-On-Demand (VoD)		
Media downloading TV (MiTV)		
RSS-TV	News, weather forecast, Stock	
Widgets	Information services	
Time Shift TV (TSTV)		
Personal Video Record by EPG (Recordable TV)		
Location Free /Place-shift TV/3G	Connecting TV and smart phone	
Interactive TV	Tele-voting	
Photo sharing TV	Network Photo sharing, Flickr, Picassa	
Karaoke/Music TV		
Video conference	Visual call with 3G phone	
Security TV/Home monitoring	Home surveillance	
Messaging/SNS (Social TV)	Networking	
E-Education		
Games	Multi-player casual game	



### **Network TV Alliance**



### C2 in Market



## <u>Video 2.0</u> = Transform Digitized Video to Networked Video

C2 = <u>Consumer</u> + <u>Communication</u>

Accelerating Development...Connecting Innovation

Beijing (Headquarters) 2/F, No.3 Building, No.28 Dong Hou Lane, Anwai Street Beijing, 100710 Phone: +86-10-5172-1188 California 2833 Junction Avenue Suite 101 San Jose, CA 95134 Phone: +1-408-295-3487

No. 301, Sec. 2, Ti Ding Blv Neihu District 11493 Taipei Phone: +886 2 87515655



#### Thank you!

