Technology Trend of DTV Information

Content preparation and codec

(digitalized->multimedia ->copyright)

DTV Chipset

MPEG 7

MPEG 2/4 Content data index, search and retrieval

MPEG 21 Digital Right

Head End Management MHP Authoring Watermarking Tool

Copyright protection Post-processing

Audio/Video

Wireless

802.11 A/B/G

DVB-S2

Embedding

Multimedia based program search

Channel

(Single->Multiple->Integrated)

Scalable Broadcasting

DVB-H

Multiple A/V

(Broadcast->Enhanced ->Interactive)

Client End

VoD N/P/T Integration

DISPLAY

(SD->HD->3D)

TV-Conference

Speech Recog.

DVB T/C/S

GPRS

CA/CI

PPV

Smart Card

IC Card, EMV

billing

PVR

Voice cmd.

A/V storage

TCP/IP Return Channel

> **MHP** PSTN, Network, Internet

API, AP, Game

w/ Chinese

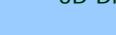
EPG

PDP

LCOS

OLED

3D Display



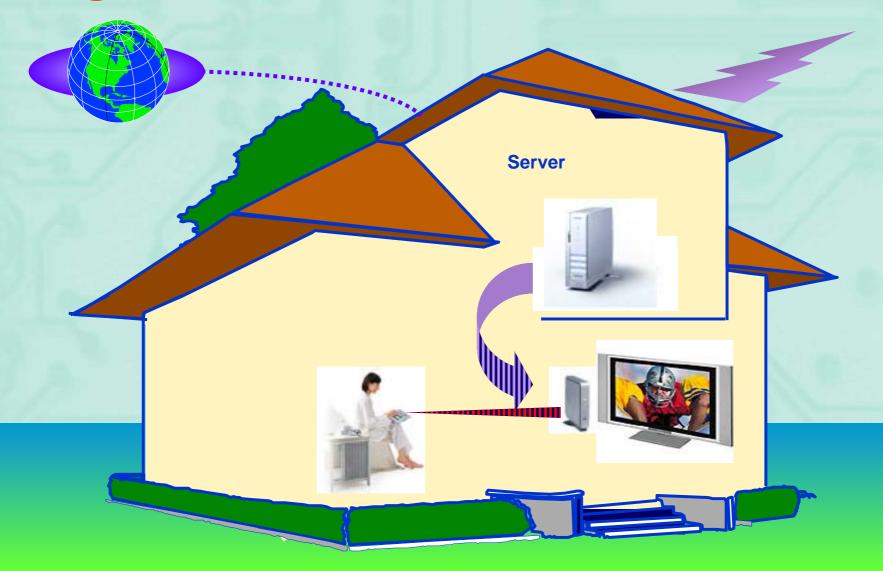


CRT

Internet

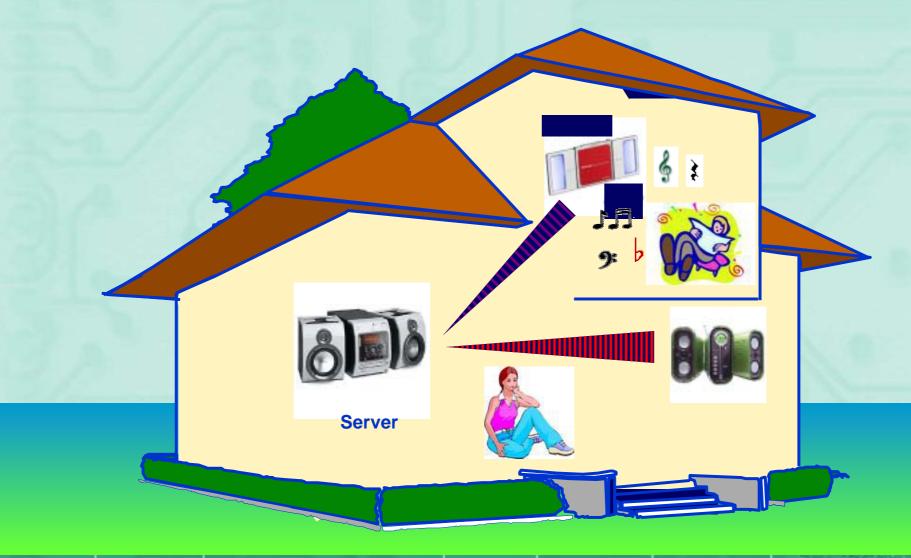
LCD

Digital Home Scenario - Video





Digital Home Scenario – Audio





Digital Home Scenario – Images



