

MPEG  
Test System



DVB-H  
Test System



DMB  
Test System



Data  
Broadcast



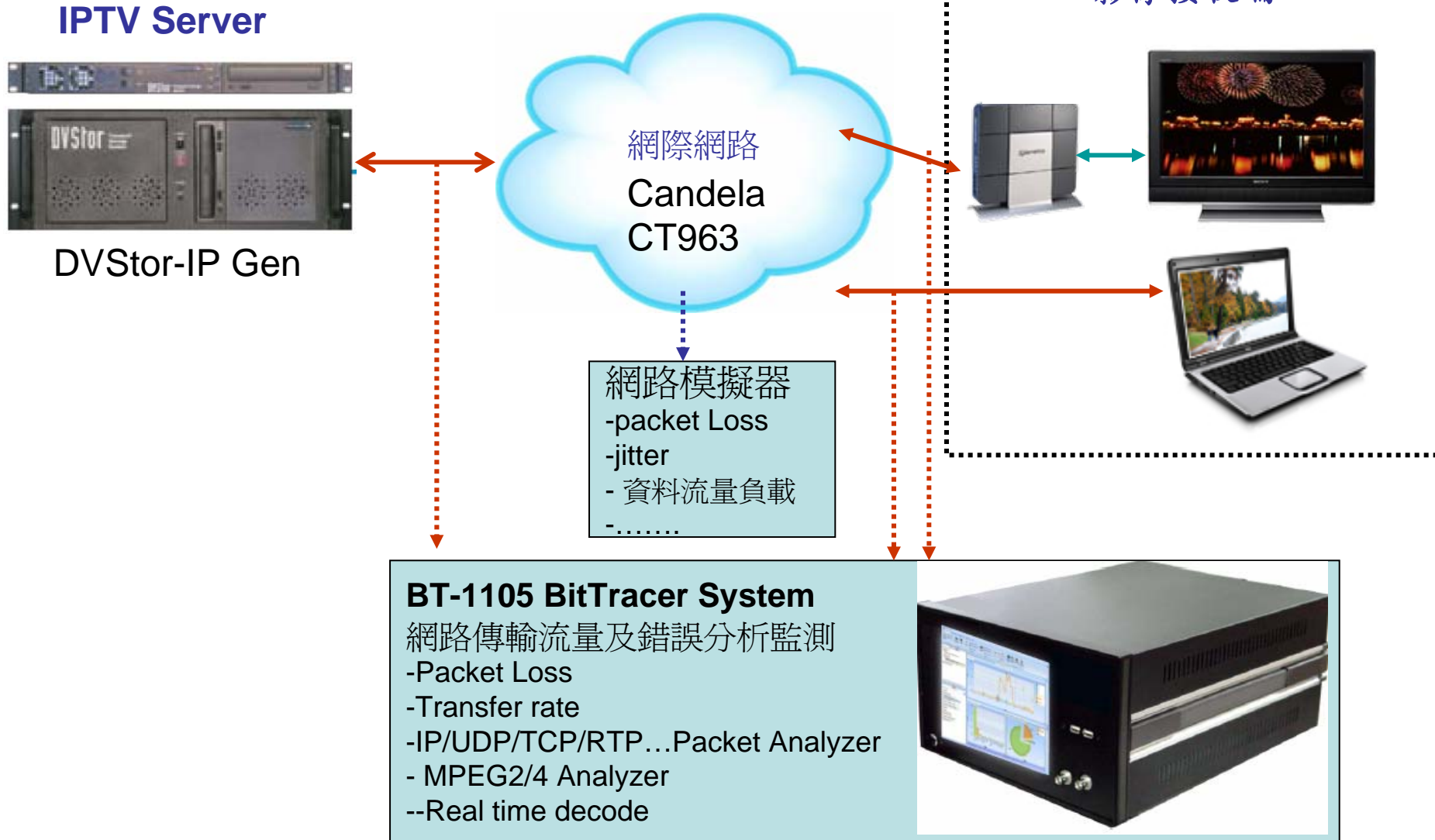
# 通核科技 IPSTB / Internet TV 測試方案

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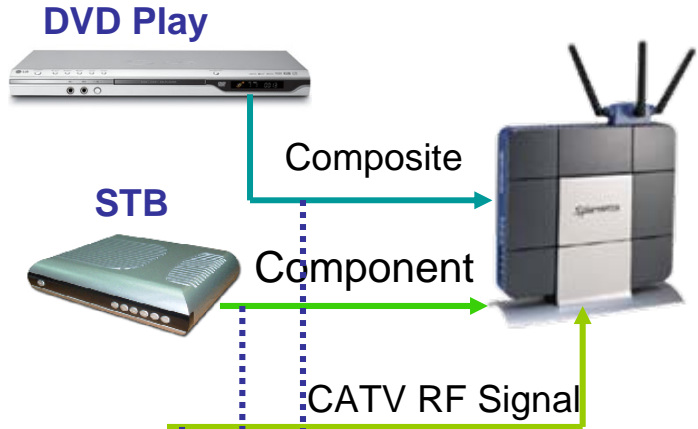


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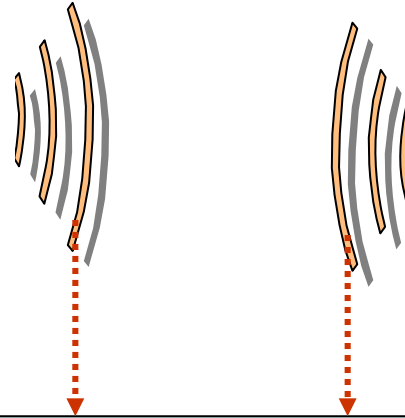
# IP STB 測試架構



# 影像訊號端



Wireless LAN  
802.11 a/b/g/n



# 影像接收端



## BT-1105 BitTracer System

無線網路最大流量測試,互通性分析

- Packet Loss
- Transfer rate
- IP/UDP/TCP/RTP...Packet Analyzer
- MPEG2/4 Analyzer
- Real time decode
- 射頻訊號量測

VB-50 IP-PROBE  
IP-TS分析與錄製

**RTM**  
影音傳輸失真分析

- Video PSNR
- Audio PEAQ
- Lip sync

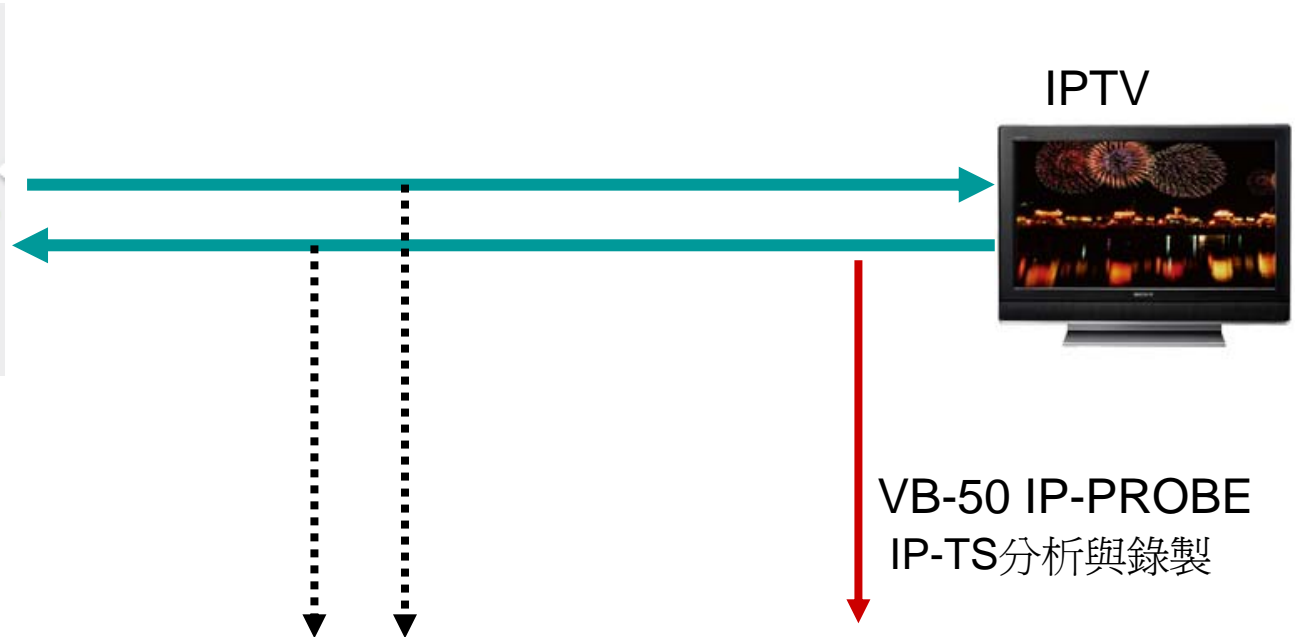
Stream	Name	Signal	Page	Mapping	Net bitrate	CClients	Pids	Syncb errs	Curr bitrate	Min bit
1	NRK_1	58d	1	7TS/UDP	6.90 Mbps	104	7	0	6.90 Mbps	10.30 I
2	NRK_2	38d	1	7TS/UDP	7.05 Mbps	95	7	0	7.05 Mbps	10.10 I
3	TV2_NORWAY	38d	1	7TS/UDP	7.99 Mbps	14565	6	0	7.99 Mbps	9.22 kt
4	TVNORGE	14d	1	7TS/UDP	5.26 Mbps	973	6	0	5.26 Mbps	8.97 kt
5	SVT1	77d	1	7TS/UDP	4.42 Mbps	266172	8	0	4.42 Mbps	55.25 I
6	DR1	77d	1	7TS/UDP	5.47 Mbps	21836	8	0	5.47 Mbps	56.98 I
7	DR2	77d	1	7TS/RTP	2.36 Mbps	6120	8	0	2.36 Mbps	57.50 I
8	SVT2	77d	1	7TS/UDP	2.49 Mbps	267902	9	0	2.49 Mbps	57.50 I
9	NRK_3	38d	1	7TS/UDP	4.70 Mbps	94	7	0	4.70 Mbps	10.30 I
10	FEM	58d	1	7TS/UDP	5.19 Mbps	15128	5	0	5.19 Mbps	8.73 kt

# IPTV 測試架構

Web simulator



- All Music
- Babelgum
- BBC iPlayer
- Coralcdn
- Dailymotion
- Deezer
- Eyejot
- Facebook Youtube Box
- Grooveshark
- Hulu
- Ilikemusic
- Imeem
- Metacafe
- Silverlight
- Skype
- VNC



## BT-1105 BitTracer System

網路傳輸流量及錯誤分析監測

- Packet Loss
- Transfer rate
- IP/UDP/TCP/RTP... Packet Analyzer
- MPEG2/4 Analyzer

VB-50 IP-PROBE  
IP-TS分析與錄製

Thumb	Name	Signal	Page	Mapping	Net bitrate	CC errs	Pkts	Syncb errs	Curr bitrate	Min bit
0	NRK_1	38d	1	7TS/UDP	6.90 Mbps	104	7	0	6.90 Mbps	10.30 k
0	NRK_2	38d	1	7TS/UDP	7.05 Mbps	95	7	0	7.05 Mbps	10.10 k
0	TV2_NORWAY	38d	1	7TS/UDP	7.99 Mbps	14565	6	0	7.99 Mbps	9.22 k
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0	DR1	77d	1	7TS/UDP	5.47 Mbps	21836	8	0	5.47 Mbps	56.98 k
0	DR2	77d	1	7TS/RTP	2.36 Mbps	6120	8	0	2.36 Mbps	57.50 k
0	SVT2	77d	1	7TS/UDP	2.49 Mbps	267902	9	0	2.49 Mbps	57.50 k
0	NRK_3	38d	1	7TS/UDP	4.70 Mbps	94	7	0	4.70 Mbps	10.30 k
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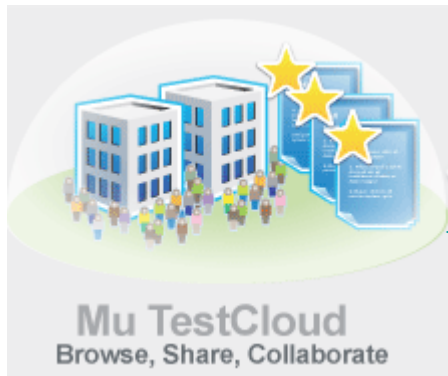
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# Internet TV 無線網路測試架構

Web simulator



- All Music
- Babelgum
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- Deezer
- Eyejot
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Internet TV



**BT-1105 BitTracer System**  
網路傳輸流量及錯誤分析監測

- Packet Loss
- Transfer rate
- IP/UDP/TCP/RTP...Packet Analyzer
- MPEG2/4 Analyzer

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*Thank You~~*

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