

# MPEG4/MP3

# IPv6

\*

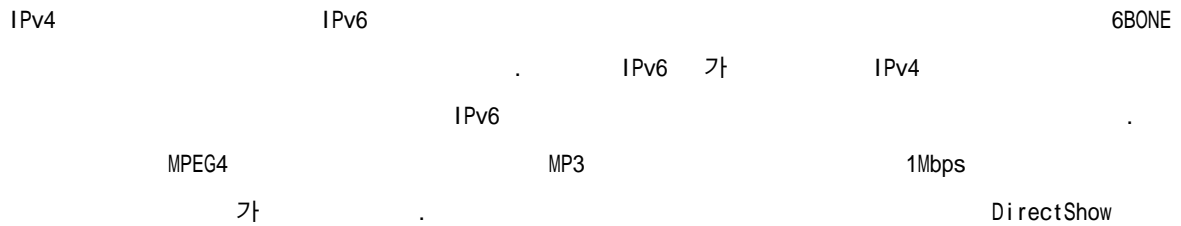
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 \*\*\*

## Development of an IPv6 Multicast based High quality Video Conferencing Tool using MPEG4 and MP3 codec\*

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1.

2

version 4) 32

IPv4 (Internet Protocol

3

가

4

가

5

128

IPv6 (Internet Protocol version 6)가

[1].

2.

IPv6

GUI(Graphic User

1Mbps

Interface)

IPv6

MPEG4

MP3

DirectX SDK

USB

Microsoft

DirectShow

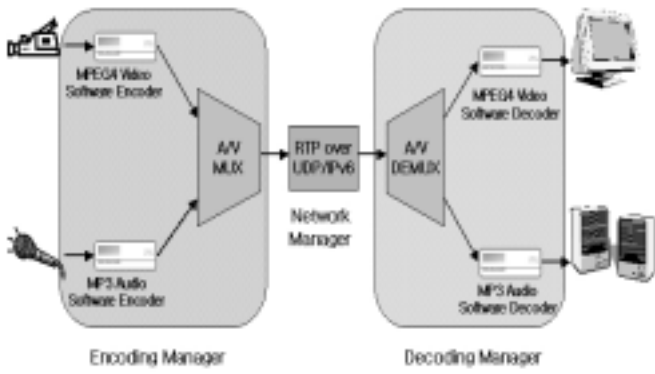
가

DirectShow

[3].

[2].

1



1

2.1

MPEG4

MP3

A/V MUX(Audio/Video Multiplexer)

Microsoft MPEG4 Video Codec v1

MPEG layer-3

A/V MUX

2.2

A/V MUX

RTP

IPv6

RTP

RTCP

[4].

2.3

A/V DEMUX(Audio/Video Demultiplexer)

MPEG4

MP3

Video Renderer

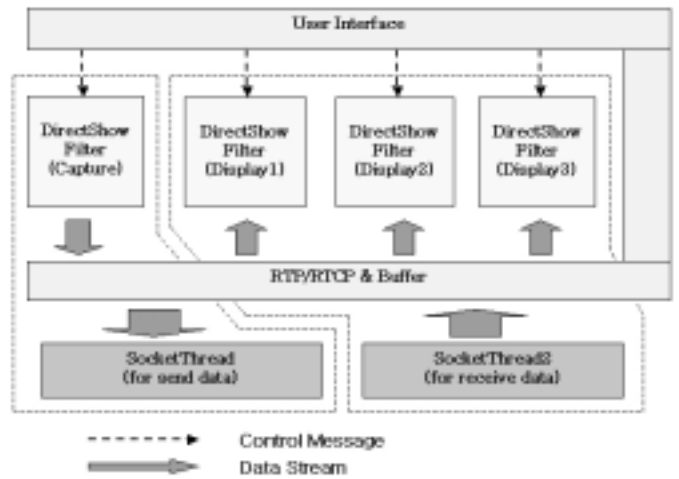
MPEG4

MP3

3.

2

가



2

RTP

DirectShow

UI

3.1

RTCP

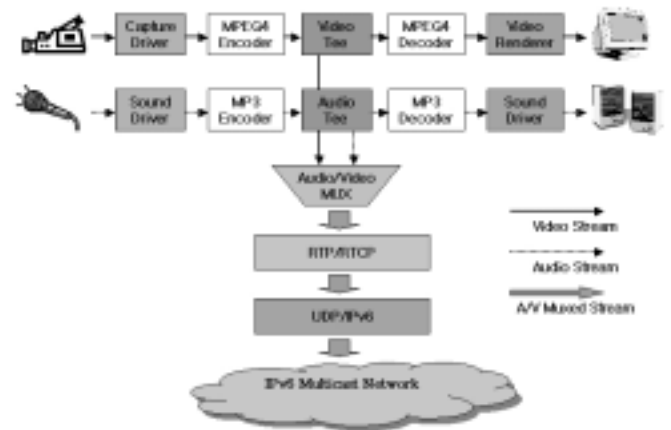
3.2

320x240

가

30fps(frame/sec)

56Kbps



3

/

DirectShow

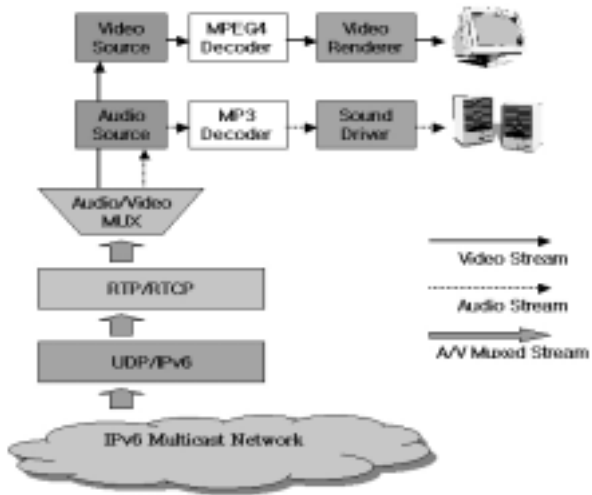
. Video Tee  
RTP 가 IPv6  
[5].

3.3

RTP

4

가



4 /

가

가 가

4.

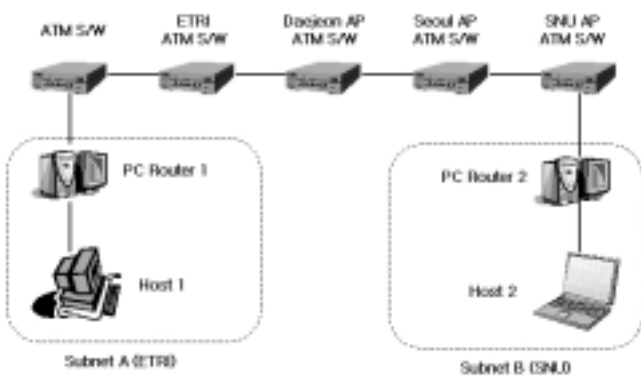
가

(SNU)

(ETRI)

5

[6].



5 SNU-ETRI native IPv6

SNU ETRI  
0.5~1Mbps

가

CPU

CPU

5.

15

CPU

IPv6

[1] , , "IPv6 " , IPv6  
2000-002, <http://www.ipv6.or.kr>

[2] Linda S. Cline, John Du, Bernie Keany, K. Lakshman, Christian Maciocco, David M. Putzolu , "DirectShow RTP Support for Adaptivity in Networked Multimedia Applications", IEEE multimedia systems, 1998

[3] , "DirectShow " , , 2002

[4] RFC 1889, "RTP: A Transport Protocol for Real-Time Applications."

[5] "RTP Payload Format for MPEG-4 Streams", draft-ietf-avt-mpeg4-multisl-04.txt

[6] , , , "IPv6 PC " , IPv6 2001-003 , <http://www.ipv6.or.kr>