

History of Video Coding

1970-1980

Key concepts of video coding, like transform coding, motion estimation and compensation, and entropy coding, were developed.

1985

H.120

ITU-T

An early standard, not widely adopted.

1988

H.261

ITU-T

Evolved from H.120; used for video conferencing.

1993

MPEG-1

MPEG/ISO

Enabled Video CDs (VCDs).

1995

MPEG-2 (Part 2)

MPEG/ISO

Used for DVDs and digital TV.

H.262

ITU-T

1996

H.263

ITU-T

Improved on H.261; used for internet video

2002

AVS1

AVS

2003

VP6

ON2 (LATER GOOGLE)

MPEG-4 (Part-10)

MPEG/ISO

2005

VP7

ON2 (GOOGLE)

H.264/AVC

ITU-T

Advanced video and multimedia streaming

2006

VC-1

SMPTE

It was implemented by Microsoft as Microsoft Windows Media Video (WMV) 9.

2008

VP8

ON2 (GOOGLE)

An open and royalty-free codec for web video.

H.265/HEVC

ITU-T

Offers improved video quality and compression.

2013

VP9

ON2 (GOOGLE)

Improved compression efficiency over VP8

2016

AVS2

AVS

2017

AVS3

AVS

Developed by the A/V Coding Standard Working Group of China

2018

AV1

AOMEDIA

An open, royalty-free video coding format for the Internet.

2019

IVC

MPEG/ISO

2020

MPEG-5 / EVC

MPEG/ISO

H.266/VVC

ITU-T / MPEG/ISO

Aims to improve on HEVC's efficiency

2021

SVT-AV1

AOMEDIA

GreyB's SEP experts



Swapnajeet Nayak



Deepak Saluja



Aditya Bansal