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LIST OF ABBREVIATIONS

ACBTSS	Advanced Center Biased Three-Step Search
ADCS	Adaptive Dual Cross Search
AOCSSH	Adaptive Order Cross -Square and Hexagon search
AOSH	Adaptive Order Square Hexagon search
ASR	Adaptive Search Range
AVC	Advanced Video Coding
BDM	Block Distortion Measure
BMA	Block-Matching Algorithm
BME	Block Motion Estimation
BP	Baseline Profile
CABAC	Context- Binary Arithmetic Coding
CAVLC	Context-Adaptive Variable Length Coding
CD-ROM	Compact Disc Read Only Memory
CDS	Cross Diamond Search
CIF	Common Intermediate Format
CIR	Compression Improvement Ratio
CR	Compression Ratio
DCT	Discrete Cosine Transform
DCS	Dual Cross Search
DMB	Digital Multimedia Broadcasting
DVB	Digital Video Broadcasting-Handheld
DVD	Digital Versatile Disk
DS	Diamond Search
ESS	External Stop Search
FABC	Fractional Artificial Bee Colony
FBMA	Fast Block-Matching Algorithm
FFS	Fast Full Search
FPME	Fractional Pixel Motion Estimation
FS	Full Search
FSBMA	Full Search Block Matching Algorithm
FSPS	Full Sub-Pixel Search

FSS	Four Step Search
GIF	Graphics Interchange Format
ISC	Initial Search Center
HD	High-Definition
HDSP	Horizontal Diamond Search Pattern
HDTV	High Definition Television
HEXBS	Hexagon Based Search
IDCP	Improved DC Prediction
ISO	International Organization for Standardization
ISS	Internal Stop Search
ITU-T	International Telecommunications Union, Telecommunication Standardization Sector
JM	Joint Model (H.264/AVC)
JVT	Joint Video Team
LDSP	Large Diamond Search Pattern
MADS	Multiple Adaptive Diamond Search
MB	Macro Block
ME	Motion Estimation
MF	Multiplication Factor
MP	Main Profile
MPEG	Moving Picture Expert Group
MSE	Mean Square Error
MV	Motion Vector
MVC	Multi-view Video Coding
MVD	Motion Vector difference
MVP	Motion Vector Predictor
NPDS	Normalized Partial Distortion Search
NTSS	New Three Step Search
OCTBS	OCTagon-Based Search
OLS	Orthogonal Logarithmic Search
PBME	Pixel Based Motion Estimation
PDS	Partial Distortion Search
PISS	Partial Internal Stop Search

PSNR	Peak Signal to Noise Ratio
PSTN	Public Switched Telephone Network
QCIF	Quarter Common Intermediate Format
QP	Quantization Parameter
RD	Rate-Distortion
RDO	Rate-Distortion Optimized
RGB	Red Green Blue
RTSLS	Reduced Three Steps Logarithmic Search
SAD	Sum of Absolute Differences
SD	Standard-Definition
SDBS	Small Diamond shape Based Search
SDSP	Small Diamond Search Pattern
SDTV	Standard Definition Television
SSIM	Structural similarity index
SVC	Scalable Video Coding
TSS	Three Step Search
UESA	Unimodal Error Surface Assumption
VBME	Variable Block Size Motion Estimation
VCD	Video CD
VCEG	Video Coding Expert Group
VDSP	Vertical Diamond Search Pattern
VLC	Variable Length Coding
XP	Extended Profile