

Complete List of all known MP4/QT 'ftyp' designations



ftyp	Description	Developer URL	Reg'd	MIME type	Notes / Ref
3g2a	3GPP2 Media (.3G2) compliant with 3GPP2 C.S0050-0 V1.0	<u>3GPP2 / CDMA200</u>	YES	video/3gpp2	[14]
3g2b	3GPP2 Media (.3G2) compliant with 3GPP2 C.S0050-A V1.0.0	<u>3GPP2 / CDMA200</u>	NO	video/3gpp2	[15]
3g2c	3GPP2 Media (.3G2) compliant with 3GPP2 C.S0050-B v1.0	<u>3GPP2 / CDMA200</u>	NO	video/3gpp2	[16]
3ge6	3GPP (.3GP) Release 6 MBMS Extended Presentations	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3ge7	3GPP (.3GP) Release 7 MBMS Extended Presentations	<u>3GPP / GSM</u>	NO	video/3gpp	[10]
3gg6	3GPP Release 6 General Profile	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3gp1	3GPP Media (.3GP) Release 1 (probably non-existent)	3GPP / GSM	NO	video/3gpp	[3]
3gp2	3GPP Media (.3GP) Release 2 (probably non-existent)	3GPP / GSM	NO	video/3gpp	[3]
3gp3	3GPP Media (.3GP) Release 3 (probably non-existent)	3GPP / GSM	NO	video/3gpp	[3]
3gp4	3GPP Media (.3GP) Release 4	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3gp5	3GPP Media (.3GP) Release 5	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3gp6	3GPP Media (.3GP) Release 6 Basic Profile	<u>3GPP / GSM</u>	YES	video/3gpp	[10]

3gp6	3GPP Media (.3GP) Release 6 Progressive Download	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3gp6	3GPP Media (.3GP) Release 6 Streaming Servers	<u>3GPP / GSM</u>	YES	video/3gpp	[10]
3gs7	3GPP Media (.3GP) Release 7 Streaming Servers	<u>3GPP / GSM</u>	NO	video/3gpp	[10]
avc1	MP4 Base w/ AVC ext [ISO 14496-12:2005]	<u>ISO</u>	YES	video/mp4	[11]
CAEP	Canon Digital Camera	<u>Canon</u>	YES	unknown	
caqv	Casio Digital Camera	<u>Casio</u>	YES	unknown	
CDes	Convergent Design	<u>Convergent Design</u>	YES	unknown	
da0a	DMB MAF w/ MPEG Layer II aud, MOT slides, DLS, JPG/PNG/MNG images	<u>ISO</u>	YES	unknown	[13]
da0b	DMB MAF, extending DA0A, with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
da1a	DMB MAF audio with ER-BSAC audio, JPG/PNG/MNG images	<u>ISO</u>	YES	unknown	[13]
da1b	DMB MAF, extending da1a , with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
da2a	DMB MAF aud w/ HE- AAC v2 aud, MOT slides, DLS, JPG/PNG/MNG images	<u>ISO</u>	YES	unknown	[13]
da2b	DMB MAF, extending da2a , with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
da3a	DMB MAF aud with HE- AAC aud, JPG/PNG/MNG images	<u>ISO</u>	YES	unknown	[13]

da3b	DMB MAF, extending da3a w/ BIFS, 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
dmb1	DMB MAF supporting all the components defined in the specification	<u>ISO</u>	YES	unknown	[13]
dmpf	Digital Media Project	<u>DMP</u>	NO	various	[18]
drc1	Dirac (wavelet compression), encapsulated in ISO base media (MP4)	<u>BBC / Dirac</u>	NO	unknown	[20]
dv1a	DMB MAF vid w/ AVC vid, ER-BSAC aud, BIFS, JPG/PNG/MNG images, TS	<u>ISO</u>	YES	unknown	[13]
dv1b	DMB MAF, extending dv1a , with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
dv2a	DMB MAF vid w/ AVC vid, HE-AAC v2 aud, BIFS, JPG/PNG/MNG images, TS	<u>ISO</u>	YES	unknown	[13]
dv2b	DMB MAF, extending dv2a , with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
dv3a	DMB MAF vid w/ AVC vid, HE-AAC aud, BIFS, JPG/PNG/MNG images, TS	<u>ISO</u>	YES	unknown	[13]
dv3b	DMB MAF, extending dv3a , with 3GPP timed text, DID, TVA, REL, IPMP	<u>ISO</u>	YES	unknown	[13]
dvr1	DVB (.DVB) over RTP	<u>DVB</u>	YES	video/vnd.dvb.file	[12]
dvt1	DVB (.DVB) over MPEG-2 Transport Stream	<u>DVB</u>	YES	video/vnd.dvb.file	[12]

F4V	Video for Adobe Flash Player 9+ (.F4V)	<u>Adobe</u>	NO	video/mp4	
F4P	Protected Video for Adobe Flash Player 9+ (.F4P)	<u>Adobe</u>	NO	video/mp4	
F4A	Audio for Adobe Flash Player 9+ (.F4A)	<u>Adobe</u>	NO	audio/mp4	
F4B	Audio Book for Adobe Flash Player 9+ (.F4B)	<u>Adobe</u>	NO	audio/mp4	
isc2	ISMACryp 2.0 Encrypted File	<u>ISMA</u>	YES	?/enc-isoff-generic	
iso2	MP4 Base Media v2 [ISO 14496-12:2005]	<u>ISO</u>	YES	video/mp4	[6]
isom	MP4 Base Media v1 [ISO 14496-12:2003]	<u>ISO</u>	YES	video/mp4	[5]
JP2	JPEG 2000 Image (.JP2) [ISO 15444-1 ?]	<u>ISO</u>	NO	image/jp2	
JP20	Unknown, from GPAC samples (prob non-existent)	<u>GPAC</u>	NO	unknown	[4]
jpm	JPEG 2000 Compound Image (.JPM) [ISO 15444-6]	<u>ISO</u>	NO	image/jpm	[17]
jpx	JPEG 2000 w/ extensions (.JPX) [ISO 15444-2]	<u>ISO</u>	NO	image/jpx	
KDDI	3GPP2 EZmovie for KDDI 3G cellphones	<u>3GPP2 / CDMA200</u>	NO	video/3gpp2	
M4A	Apple iTunes AAC-LC (.M4A) Audio	<u>Apple</u>	YES	audio/x-m4a	[9]
M4B	Apple iTunes AAC-LC (.M4B) Audio Book	<u>Apple</u>	YES	audio/mp4	[9]
M4P	Apple iTunes AAC-LC (.M4P) AES Protected Audio	<u>Apple</u>	YES	audio/mp4	[9]
M4V	Apple iTunes Video (.M4V) Video	<u>Apple</u>	YES	video/x-m4v	[9]
M4VH	Apple TV (.M4V)	<u>Apple</u>	NO	video/x-m4v	

M4VP	Apple iPhone (.M4V)	<u>Apple</u>	NO	video/x-m4v	
mj2s	Motion JPEG 2000 [ISO 15444-3] Simple Profile	<u>ISO</u>	YES	video/mj2	
mjp2	Motion JPEG 2000 [ISO 15444-3] General Profile	<u>ISO</u>	YES	video/mj2	
mmp4	MPEG-4/3GPP Mobile Profile (.MP4 / .3GP) (for NTT)	<u>3GPP / GSM</u>	NO	video/mp4	
mp21	MPEG-21 [ISO/IEC 21000-9]	<u>ISO</u>	YES	various	
mp41	MP4 v1 [ISO 14496-1:ch13]	<u>ISO</u>	YES	video/mp4	
mp42	MP4 v2 [ISO 14496-14]	<u>ISO</u>	YES	video/mp4	
mp71	MP4 w/ MPEG-7 Metadata [per ISO 14496-12]	<u>ISO</u>	NO	various	
MPPI	Photo Player, MAF [ISO/IEC 23000-3]	<u>ISO</u>	YES	various	
mqt	Sony / Mobile QuickTime (.MQV) US Patent 7,477,830 (Sony Corp)	<u>Sony / Apple</u>	NO	video/quicktime	
MSNV	MPEG-4 (.MP4) for SonyPSP	<u>Sony</u>	NO	audio/mp4	
NDAS	MP4 v2 [ISO 14496-14] Nero Digital AAC Audio	<u>Nero</u>	NO	audio/mp4	[8]
NDSC	MPEG-4 (.MP4) Nero Cinema Profile	<u>Nero (Main Profiles)</u>	NO	video/mp4	[7]
NDSH	MPEG-4 (.MP4) Nero HDTV Profile	<u>Nero (Main Profiles)</u>	NO	video/mp4	[7]
NDSM	MPEG-4 (.MP4) Nero Mobile Profile	<u>Nero (Main Profiles)</u>	NO	video/mp4	[7]
NDSP	MPEG-4 (.MP4) Nero Portable Profile	<u>Nero (Main Profiles)</u>	NO	video/mp4	[7]
NDSS	MPEG-4 (.MP4) Nero Standard Profile	<u>Nero (Main Profiles)</u>	NO	video/mp4	[7]

NDXC	H.264/MPEG-4 AVC (.MP4) Nero Cinema Profile	Nero (AVC Profiles)	NO	video/mp4	[7]
NDXH	H.264/MPEG-4 AVC (.MP4) Nero HDTV Profile	Nero (AVC Profiles)	NO	video/mp4	[7]
NDXM	H.264/MPEG-4 AVC (.MP4) Nero Mobile Profile	Nero (AVC Profiles)	NO	video/mp4	[7]
NDXP	H.264/MPEG-4 AVC (.MP4) Nero Portable Profile	Nero (AVC Profiles)	NO	video/mp4	[7]
NDXS	H.264/MPEG-4 AVC (.MP4) Nero Standard Profile	Nero (AVC Profiles)	NO	video/mp4	[7]
odcf	OMA DCF DRM Format 2.0 (OMA-TS-DRM-DCF-V2_0-20060303-A)	Open Mobile Alliance	YES	various	
opf2	OMA PDCF DRM Format 2.1 (OMA-TS-DRM-DCF-V2_1-20070724-C)	Open Mobile Alliance	YES	unknown	
opx2	OMA PDCF DRM + XBS extensions (OMA-TS-DRM_XBS-V1_0-20070529-C)	Open Mobile Alliance	YES	unknown	
pana	Panasonic Digital Camera	Panasonic	YES	unknown	
qt	Apple QuickTime (.MOV/QT)	Apple	YES	video/quicktime	
ROSS	Ross Video	Ross Video	YES	unknown	
sdv	SD Memory Card Video	SD Card Association	YES	various?	
ssc1	Samsung stereoscopic, single stream (patent pending, see notes)	Samsung	NO	unknown	[19]
ssc2	Samsung stereoscopic, dual stream (patent pending, see notes)	Samsung	NO	unknown	[19]

Notes	
[1]	<p>a) All ftyp's may be used as "major" or "compatible" brands, except as noted in [5] and [6] below.</p> <p>b) ftyp's may be case sensitive. Recent editions this table have been updated to reflect the defined or common usage, but apps which read ftyps would be well advised to read them in a case insensitive fashion.</p> <p>c) All ftyp's must contain 4 characters. If three characters are shown in the table, a trailing blank (i.e. a space character; ASCII 0x20) is implied. Similarly, if only two characters are shown, two trailing blanks are implied. For example, "qt" is really "qt " - note the two trailing spaces.</p>
[2]	"Reg'd" means the ftyp is registered here with the official authority for such registrations, MP4REG .
[3]	These ftyp's are included in MPLAYER source code and the Multimedia Wiki , but these 3GPP releases apparently don't exist.
[4]	Found in some GPAC samples (but not the source code); no further information is available. Apparently doesn't exist.
[5]	'isom' is seen used as a major brand, though it is currently prohibited by ISO/IEC 14496-12 sec 6.3 paragraph 2 .
[6]	Like 'isom', use of 'iso2' as a major brand is specifically prohibited by ISO/IEC 14496-12 sec 6.3 paragraph 2 .
[7]	<p>Nero Recode now uses these ftyp codes as major brands, while also listing them as compatible brands.</p> <p>Previously, Nero used 'avc1' as the major brand for their AVC encoded files, and MP41 (or MP42?) for the others.</p>
[8]	Nero uses this ftyp code as a compatible brand for AAC encoded audio files. Such files also included 'isom' as an additional compatible designation, and 'mp42' as the major brand.
[9]	<p>Apple / iTunes / iPod audio files with major brand 'M4P ' are DRM (copy) protected.</p> <p>Audio files with major brand 'M4A ' may or may not be DRM protected.</p> <p>iPod video files appear to use 'M4V ' regardless of whether or not they are DRM protected.</p>
[10]	The MIME type these entries should be "audio/3gpp" for audio-only files (i.e. no video or "timed text")
[11]	<p>'avc1' means the file uses ISO/IEC format extensions originally created for H.264/MPEG-4 AVC support.</p> <p>Does not necessarily imply the video was encoded with H.264/MPEG-4 AVC, however.</p>
[12]	Ref: DVB BlueBook (Document A121) [495KB PDF] - sections 4.2.3 and 4.2.4

[13]	<p>Ref: <u>ISO/IEC 23000-9:2008 - "Information technology -- Multimedia application format (MPEG-A)</u></p> <p>See part 9: "Digital Multimedia Broadcasting Application Format".</p> <p>Additional Info:</p> <p>'DMB' = "ISO/IEC 23000-9:2008 (MPEG-A) Digital Multimedia Broadcasting"</p> <p>'MAF' = "ISO/IEC 23000-9:2008 (MPEG-A) Multimedia Application Format"</p> <p>'DID' = "MPEG-21 Part 2 Digital Item Declaration"</p> <p>'REL' = "MPEG-21 Part 5 Rights Expression Language"</p> <p>'IPMP' = "MPEG-21 Part 4 Intellectual Property Management and Protection"</p> <p>'TVA' = "<u>RFC 4078 TV Anytime</u>"</p> <p>'BIFS' = "MPEG-4 "Binary Format for Scene"</p> <p>'BSAC' = "MPEG-4 "Bit Sliced Arithmetic Coding" (audio)</p> <p>'MNG' = "<u>Multiple-image Network Graphics</u>"</p> <p>'MOT Slides' = "Digital Audio Broadcasting (DAB) MOT slideshow (<u>ETSI DAB TR 101 497</u>)"</p>
[14]	<p>Ref: <u>3GPP2 C.S0050-0 V1.0 12 December 2003</u> [1305 KB PDF] section 8.1.1</p>
[15]	<p>Ref: <u>3GPP2 C.S0050-A V1.0.0 31 March 2006</u> [1626 KB PDF] - section 8.1.1</p>
[16]	<p>Ref: <u>3GPP2 C.S0050-B v1.0 18 May 2007</u> [773 KB PDF] - section 8.1.1</p>
[17]	<p>Ref: <u>JPEG 2000 Part 6 FCD 15444-6 - ISO/IEC JTC 1/SC 29/WG1 N2401</u> [660KB PDF] - Table B-1</p>
[18]	<p>Ref: <u>Approved Document No. 3, Technical Specification: Interoperable DRM Platform</u> [1.1 MB Word Doc]</p>
[19]	<p>Ref: <u>METHOD AND APPARATUS FOR GENERATING STEREOSCOPIC FILE</u> see [0055] - [0059]</p>
[20]	<p>Ref: <u>Encapsulation of Dirac in ISO Base Media file format derivatives</u> [78.9 KB PDF] - Sec 4.1</p>