

Omneon Spectrum QuickTime Codec Support for Apple Final Cut Pro®

The matrix below indicates native Omneon Spectrum support for Apple Final Cut Pro QuickTime codecs. The Omneon and Final Cut Pro codecs are listed side-by-side and support for play out (P) and record (R) is indicated for each MIP and MDM model.

As an example, material for use with Final Cut Pro's XDCAM HD 1080i60 VBR 35 codec can be recorded on a MIP-5321 with a Spectrum player set to record XDCAM HD 35 1080i 29.97, using a QuickTime Reference or QuickTime Self Contained wrapper. There is no need for file conversion and the recorded material can be imported directly into Final Cut Pro. Conversely, sequences exported from Final Cut Pro with this codec can be played out on the MIP-5321 again without the need for file conversion.

OMNEON CODEC			FINAL CUT PRO CODEC	OMNEON MIP AND MDM MODELS														
Name	Wrapper	Mbps	Name	1001-A	1003-A	1010-A	300X	400X	41XX	500X *	52XX *	53XX *	540X *	550X *	56XX *	6101	6221	6321
DV 25 NTSC	QT Ref/SC	25	DV-NTSC	P/R	P/R	P/R				P/R			P	P			P/R	P/R
DV 25 PAL	QT Ref/SC	25	DV-PAL	P/R	P/R	P/R				P/R			P	P			P/R	P/R
DVCPRO 25 NTSC	QT Ref/SC	25	DV-NTSC	P/R	P/R	P/R				P/R			P	P			P/R	P/R
DVCPRO 25 PAL	QT Ref/SC	25	DVCPRO - PAL	P/R	P/R	P/R				P/R			P	P			P/R	P/R
DVCPRO 50 NTSC	QT Ref/SC	50	DV50 - NTSC	P/R	P/R	P/R				P/R			P	P			P/R	P/R
DVCPRO 50 PAL	QT Ref/SC	50	DV50 - PAL	P/R	P/R	P/R				P/R			P	P			P/R	P/R
IMX NTSC	QT SC	30/40/50	IMX NTSC (30/40/50 Mb/s)	P	P	P/R	P		P	P/R	P/R	P/R	P	P				
IMX PAL	QT SC	30/40/50	IMX PAL (30/40/50 Mb/s)	P	P	P/R	P		P	P/R	P/R	P/R	P	P				
DVCPRO HD - 1080i29.97	QT Ref/SC	100	DVCPRO HD - 1080i60										P	P		P/R		P/R
DVCPRO HD - 1080i25	QT Ref/SC	100	DVCPRO HD - 1080i50										P	P		P/R		P/R
DVCPRO HD - 720p59.94	QT Ref/SC	100	DVCPRO HD - 720p60										P	P		P/R		P/R
DVCPRO HD - 720p50	QT Ref/SC	100	DVCPRO HD - 720p50										P	P		P/R		P/R
HDV - 1080i29.97	QT Ref/SC	25	HDV - 1080i60					P	P			P/R ***	P	P				
HDV - 1080i25	QT Ref/SC	25	HDV - 1080i50					P	P			P/R ***	P	P				
HDV - 720p59.94	QT Ref/SC	19	HDV - 720p60					P	P			P/R	P	P				
HDV - 720p50	QT Ref/SC	19	HDV - 720p50					P	P			P/R	P	P				
XDCAM EX 1080i29.97	QT Ref/SC	35	XDCAM EX 1080i60 VBR					P	P			P/R	P	P				
XDCAM EX 1080i25	QT Ref/SC	35	XDCAM EX 1080i50 VBR					P	P			P/R	P	P				
XDCAM EX 720p59.94	QT Ref/SC	35	XDCAM EX 720p60 VBR					P	P			P/R	P	P				
XDCAM EX 720p50	QT Ref/SC	35	XDCAM EX 720p50 VBR					P	P			P/R	P	P				
XDCAM HD 18/25/35 1080i29.97	QT Ref/SC	18/25/35	XDCAM HD 1080i60 VBR/CBR **					P	P			P/R	P	P				
XDCAM HD 18/25/35 1080i25	QT Ref/SC	18/25/35	XDCAM HD 1080i50 VBR/CBR **					P	P			P/R	P	P				
XDCAM HD 50 1080i29.97	QT Ref/SC	50	XDCAM HD422 1080i60 CBR					P	P			P/R	P	P				
XDCAM HD 50 1080i25	QT Ref/SC	50	XDCAM HD422 1080i50 CBR					P	P			P/R	P	P				
XDCAM HD 50 720p59.94	QT Ref/SC	50	XDCAM HD422 720p60 CBR					P	P			P/R	P	P				
XDCAM HD 50 720p50	QT Ref/SC	50	XDCAM HD422 720p50 CBR					P	P			P/R	P	P				

P = Play out, R = Record
 * Includes MDM models, ** VBR = 18 & 35 Mb/s, CBR = 25 Mb/s, *** Record as XDCAM HD 1080i 25 Mbps (1440 x 1080)
 Spectrum 6.0.0.3, System Manager 5.13