

There are **3** main standards in use around the world.

PAL NTSC SECAM

Each one is incompatible with the other.

The system used in America & Canada is called "**NTSC**". Western Europe and Australia use a system called "**PAL**", and Eastern Europe and France use "**SECAM**". Without standards conversion, it is impossible to view a video program that is recorded in a foreign country without first converting it..

Here are some charts illustrating the differences

NTSC National Television System Committee	
Lines/Field	525/60
Horizontal Frequency	15.734 kHz
Vertical Frequency	60 Hz
Color Sub carrier Frequency	3.579545 MHz
Video Bandwidth	4.2 MHz
Sound Carrier	4.5 MHz

PAL Phase Alternating Line			
SYSTEM	PAL	PAL N	PAL M
Line/Field	625/50	625/50	525/60
Horizontal Freq.	15.625 kHz	15.625 kHz	15.750 kHz
Vertical Freq.	50 Hz	50 Hz	60 Hz
Color Sub Carrier	4.433618 MHz	3.582056 MHz	3.575611 MHz
Video Bandwidth	5.0 MHz	4.2 MHz	4.2 MHz
Sound Carrier	5.5 MHz	4.5 MHz	4.5 MHz

SECAM Sequential Couleur Avec Memoire or Sequential Color with Memory		
SYSTEM	SECAM B,G,H	SECAM D,K,K1,L
Line/Field	625/50	625/50
Horizontal Frequency	15.625 kHz	15.625 kHz
Vertical Frequency	50 Hz	50 Hz
Video Bandwidth	5.0 MHz	6.0 MHz
Sound Carrier	5.5 MHz	6.5 MHz