

Tips N Tricks

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Widescreen and HD
 1RUPDO VWDQGDUG GHÀQLWLRQ YLZKIRFKVXQRW WKH RQSL[HROVPDMHOCQOW K
 issues with pixel aspect ratio. For example, widescreen standard image when viewed on a normal square-pixel computer. It's not just
 GHÀQLWLRQ 6' YLGHR LV SDUWLFXODWQHWHU SEURV XPEHVF'UIHRUC DWD JWK DDW HT
 VXSSRVHG WR EH GLVSOD\HG ZLWK DQ+LPSDUJHRDVP SHF WOUVRWXRHRID [QWHU D F
 nally, however, *widescreen SD uses the exact same frame size as 4:3
 video.*

~~QVFDPHGWRNGMDFNEDV~~
 above and below the image would waste precious pixels that could
 be used for the image itself. Instead, when a camera is in widescreen
 PRGH LW VTXLVKHV WKH YLGHR LPDJH KRUL]RQWDOO\ WR ÀW WKH ZLGHU LPD
 into the available pixels. These images in turn look seriously skinny
 RQ D FRPSXWHU PRQLWRU ZKHWHKHU LQ 176& RU 3\$/ 8SRQ SOD\EDFN D
 ZLGHVFUHHQ YLGHR PRQLWRU VWUHWFKHV D ' RU '9 LPDJH EDFN RXW E\
 IRU 176& 3\$5 DQG IRU 3\$/ 3\$5 WR
 compensate for the camera's squish. This technique is referred to as

Figure 2: An anamorphic widescreen video image (top) will look much skinnier than normal on a computer monitor (bottom).

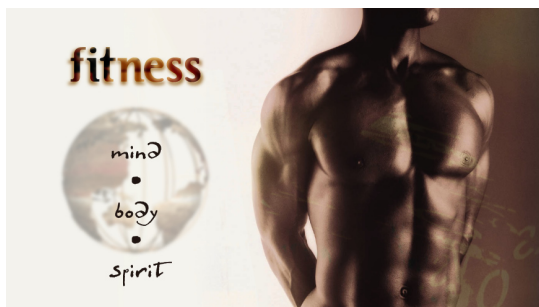


Figure 3: Most high definition video (top) – including HDCAM and HDV – is captured to videotape in a squeezed format (bottom). Image is Artbeats' FWR137H2 from Faces of the World HD Vol 2 collection; all Artbeats HD clips are delivered unsqueezed at their full 1920x1080 frame size.

anamorphic widescreen.
 +LJK 'HÀQLWLRQ +' YLGHR ZDV RULJLQDOHQG DMRG LSEdWNG HETWEN VEO dLIP S Q De same format,
 VTXDUH SL[HOV MXVW OLNH D FRPSXWHU PRQLWRU ZKHWHKHU LQ 176& RU 3\$/ 8SRQ SOD\EDFN D
 [SL[HOV ZKLFK LV WKH VL]H \$ Uwe captured this way, and will be played back through a system that
 DQG [SL[HOV +RZHYHU WKDW V NDQRE W RRR ZS W R KQD QGLD D WDXPHUDR WKHU
 WR VWRUH RQWR WDSH 7KHUHIRUH P DQ for your Rock Through a Dico Display. SOR\ QRQ
 square pixels.
 + '9 2 SHUKDSV WKH PRVW FRPPRQ +' I ROL ExAMPLE, UNUSUARE QIREZ d V W R square
 D ' μ LPDJH LQWR D [IUDPH G RAY, and other artwork. Fortunately, many program can translate
 LQJ RXW WR D 3\$5 RI 7KH 176& '9&B5 W ZHHRQUW R W V W W G R U H H U H Q W 3\$5 V 2 EX W

