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A Stable document is “In Force”, and not deprecated or withdrawn.

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SMPTE ENGINEERING GUIDELINE

Telecine Scanning for Film Transfer to Television



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1 Scope

This guideline specifies the maximum film image area and minimum image size range that a telecine should be capable of scanning to transfer motion-picture images to television.

2 Film image area and size

2.1 The film to video transfer device must be capable of reproducing the total camera aperture area. Film scanning requirements for five film formats are listed in table 1.

2.2 The film to video transfer device must be capable of variable x size, y size, and zoom. The x and y sizes must be independently and continuously variable over a minimum 2:1 range.

2.3 If the film image area selected for video transfer is less than the full intended scene captured by the camera, it should be possible to reposition the scanned area for video transfer anywhere within the available original intended scene image area.

Table 1 – Film scanning requirements

Film format	Maximum height		Maximum width	
	mm	in	mm	in
Super 16	7.57	0.298	12.35	0.486
16 mm	7.59	0.299	10.26	0.404
35 mm	18.72	0.737	24.92	0.981
65 mm	23.52	0.926	52.48	2.066
70 mm*	23.52	0.926	52.48	2.066
*See annex A				