

Motion Picture CAMERAS

	65-mm	35-mm	16-mm	S8-mm	R8-mm
PHYSICAL DIMENSIONS					
Camera aperture image areas	215	59	7	157	231
Super format			201M		
CAMERA USAGE		59	7	157	231

CAMERA FILM SPOOLS

16-mm	174
8-mm Type R 25' film length	143
8-mm Type R 100'	173

CAMERA LENS, 16-mm and 8-mm

Mounts	76
Focus scales	74

HIGH-SPEED MOTION-PICTURE CAMERA

UNSTEADINESS	RP17
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MOUNTING CONNECTIONS

220

SPACE ENVIRONMENT

EG8

SUPER 8 CAMERA FILM CARTRIDGE

Model I, silent, 50'	159.1, 159.2, 200M
Model I, sound, 50'	197, 198, 199, 200M
Model I, sound, 200'	200M, 205, 206 [A]
Camera notches	166

Motion Picture DIGITAL CINEMA

DISTRIBUTION MASTER

D-Cinema Distribution Master (DCDM) – Image Characteristics	428.1M
D-Cinema Distribution Master – Audio Characteristics	428.2M
D-Cinema Distribution Master Audio Channel Mapping and Channel Labeling	428.3M

OPERATIONS

D-Cinema Operations – Key Delivery Message	430.1M
D-Cinema Operations – Digital Certificate	430.2M
D-Cinema Operations – Generic Extra-Theater Message Format	430.3M

PACKAGING

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D-Cinema Packaging – MXF JPEG 2000 Application	429.4M
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PROJECTOR

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D-Cinema – Reference Projector and Environment for Display of DCDM in Review Rooms and Theaters	RP 431-2

SOURCE PROCESSING

Digital Source Processing – D-Cinema Low Frequency Effects (LFE) Channel Audio Characteristics	EG 432-2
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Motion Picture FILM [A] = Archived

	70-mm	65-mm	35-mm	16-mm	S8-mm	R8-mm
PHYSICAL DIMENSIONS						
Perforated KS	119	145	139			
Perforated DH			237			
Perforated BH			93			
Perforated CS			102			
Perforated 1R				109	149	
Perforated 2R				109		
Multirank on 35 (2R)				73	169	
(3R)				171		
(5R)					165 [A]	
Multirank on 16 (2R 1-4)					168	239
(2R 1-3)					151	
CORES	37M	37M	37M	37M	37M	37M
USAGE – Camera			59	7	157	231
15/70 Format		417M				
8/70 Format		418M				
– Projector			194	233	154	234 [A]
15/70 Format	419M					
8/70 Format	420M					

EDGE CODING

Edge numbering – 16-mm film	83
Footage numbering – 16-mm release prints	RP54 [A]
Manufacturer printed latent image –	
65-mm	270
120 perforation repeat	313
35-mm	254
color prints	300
16-mm	271

IDENTIFICATION AND LABELING

Raw stock	184M
Container edge	EG2
SAFETY FILM – Definition and specification	223M
SPEED – 16-mm and 8-mm reversal	
color camera film	146M
STORAGE of motion-picture films	RP131
WINDING DESIGNATION – Raw stock	75M
Reference mark in key numbers	RP195

Motion Picture IMAGE AREAS

	70-mm	65-mm	35-mm	16-mm	S8-mm	R8-mm
CAMERA		215	59	7	157	231
Super format				201M		
PRINTER			111	48		
Multirank on 35					179 [A]	
on 16 (1-3)					181	
on 16 (1-4)					153	
Enlargement from 16			RP66			
Enlargement from Super 16			201M			
Reduction from 35				RP65		
PROJECTOR	152		195	233	154	234
Stereo image prints			257			
TV review room			148	148		
TV image area			96M	96M		
TV safe areas			RP27.3	RP27.3	RP56	RP56
TEST MATERIALS						
Registration film				RP20	RP32	RP19
Projector alignment	RP91		RP40	RP82	RP32	RP19
Anamorphic			RP110 [A]			

Motion Picture LABORATORY AND POST-PRODUCTION

	70-mm	65-mm	35-mm	16-mm	S8-mm	R8-mm
CORES, SPOOLS, REELS						
Camera spools				174		143, 173
Cores	37M	37M	37M	37M	37M	37M
Reels	241		241	235	160M	236
Shipping			192			
75-mm diameter					212M	
PRINTED AREAS			111	48		
Multirank on 35					179	
on 16 (1-3)					181	
on 16 (1-4)	152				153	
Enlargement from 16 and 35			RP65			
Enlargement from Super 16			201M			
Reduction from 35 to 16				RP65		
SPLICES						
Cemented	RP111	RP111	RP111	RP149	RP122	RP149
Tape	RP111	RP111	RP111	RP130	RP123	RP130
Magnetic audio film			RP129	RP129	RP129	

DENSITY MEASUREMENT

Calibration of B&W densitometers	RP15
Audio record density	117M
Sensitometric strips	RP14
Spectral conditions defining printing density	RP180

EMULSION ORIENTATION

Raw stock winding designation	75M
Release print winding	RP39

LEADERS

8-mm continuous loop cartridge	RP49 [A]
Edge identification of leader and picture for 35-mm release prints	RP152
Television	55
Theater projection	301

LUBRICATION

16-mm and 8-mm release prints	RP48
35-mm release prints	RP151

MOTION-PICTURE TIME CODE

Specifications for 24, 25 and 30 fr/s	RP136
Binary user groups	RP135

NOMENCLATURE

Studios and processing laboratories	56
8-mm release print enclosure devices	RP58 [A]

SCENE-CHANGE CUEING

Motion-picture printers	RP53
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SYNCHRONIZATION

Separate audio and picture	RP25
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Motion Picture PROJECTION

	70-mm	35-mm	16-mm	S8-mm	R8-mm	35 CS
PROJECTABLE IMAGE AREAS						
Screen projection	152	195	233	154	234	195
TV projection		96M	96M			
TV review room		148	148			
PROJECTOR USAGE		194	233	154	234	
TEST MATERIALS						
MAGNETIC SOUND						
Azimuth alignment		RP77	RP78			
Flutter		RP5	RP76			RP79
Multifrequency	RP128	RP127	RP90	RP92 [A]		RP143
PHOTOGRAPHIC SOUND						
Buzz track		RP68	RP67			
Flutter		RP97	RP70			
Scanning beam		RP69	RP81			
Sound focus		RP64	RP63			
Subjective test film			RP18 [A]			
PICTURE						
Projector alignment	RP91	RP40	RP82	RP32 [A]	RP19	
Anamorphic		RP110				
Jitter, weave and ghost		RP27.4	RP27.4			
Subjective test film			RP18			

MISCELLANEOUS

Edge identification of leader and picture for 35-mm release prints	RP152
Film tension in 35-mm motion-picture systems	RP106
Projected image quality, classification and measurement	EG5
Projected jump and weave, classification and measurement	RP105
Projection depth of focus	RP185
Projector lenses, mounts and dimensions 35-mm and 70-mm	243M

Shutter efficiency, 35-mm and 70-mm projectors RP153

SCREENS

Determination of screen gains	RP94
Installation of gain screens	RP95

SCREEN LUMINANCE

Drive-in theaters	RP12
Indoor theaters	196M
Measurement method	RP98
Review rooms, 8-mm	RP51 [A]
Slides and film strips	RP59 [A]

MISCELLANEOUS

AUDIO SYNC PULSE for 8-mm type S cameras EG7

FILE FORMAT, Digital moving pictures (DPX) 266M
DPX files on TAR tapes RP189
Leader test patterns and images RP193

Film Grain Technology Specifications for H.264 / MPEG-4 AVC Bitstreams RDD5

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Test pattern RP133

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Super 8 projector RP50 [A]
16-mm camera RP24
16-mm projector RP34
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MOTION-PICTURE SPROCKETS

Regular 8-mm	RP73
Super 8-mm	RP55
16-mm	RP74
35-mm	242

SPECTRAL RESPONSE, 8-mm type S sound reproducers RP109 [A]

STUDIO LIGHTING, pivot and holder RP124

TECHNICAL CONFERENCE, Projection EG3

[A] = Archived Document