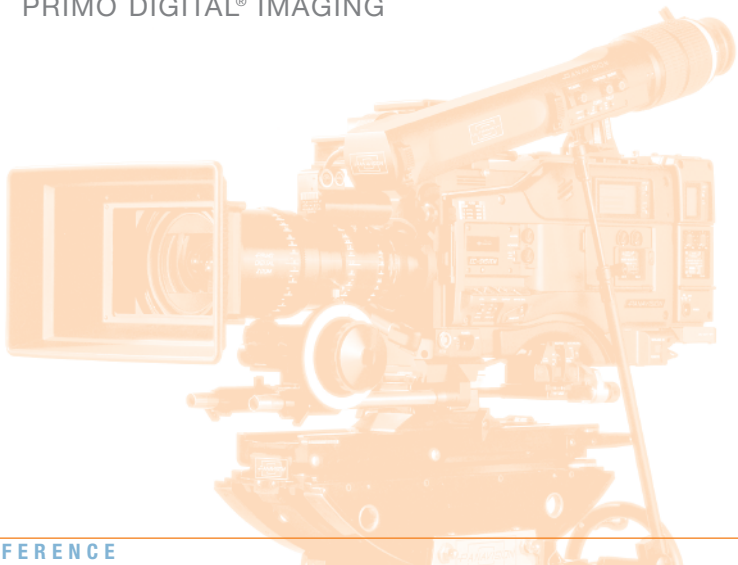


# PANAVISION

PANAVISION HIGH DEFINITION  
PRIMO DIGITAL® IMAGING

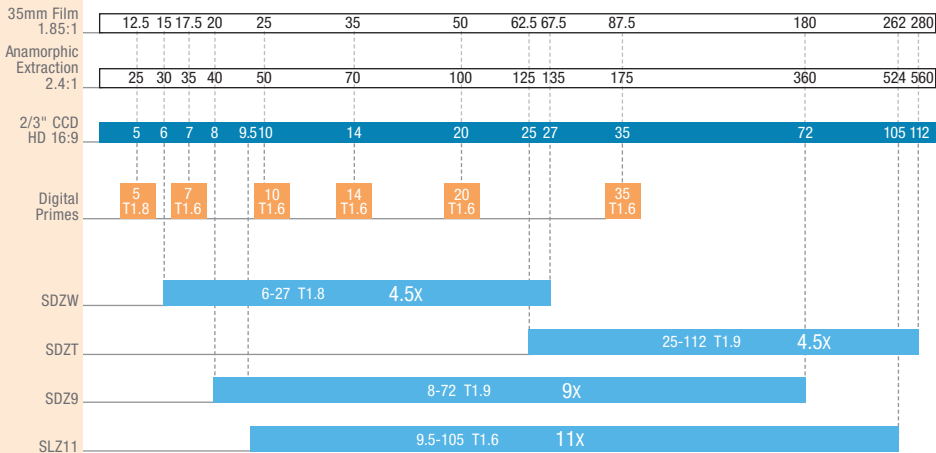


DIGITAL REFERENCE

2/3" CCD	1.85:1	2.40:1
	F-STOPS	
0.8	2	2.8
1.1	2.8	4
1.6	4	5.6
2.2	5.6	8
3.2	8	11
4.4	11	16
6.4	16	22

Check out [Panavision.com](http://Panavision.com) for all current Panavision locations.

# PRIMO DIGITAL® RANGE AND 35MM EQUIVALENTS



DIGITAL REFERENCE



# PRIMO DIGITAL® LENSES

PRODUCT TYPE	WEIGHT IN LBS.	FOCAL LENGTH	MAXIMUM APERTURE	CLOSE FOCUS	1.4X EXTENDER	2X EXTENDER	2X + 1.4X EXTENDER
SD5	2.7	5	T1.8	10.5"	—	—	—
SD7	3.2	7	T1.6	12"	—	—	—
SD10	3.5	10	T1.6	12"	—	—	—
SD14	2.8	14	T1.6	12"	—	—	—
SD20	3.6	20	T1.6	13"	—	—	—
SD35	2.9	35	T1.6	20"	—	—	—
SDZW	8.0*	6-27	T1.8	22"	—	—	—
SDZT	7.0*	25-112	T1.9	32"	35-157	50-224	71-317
SDZ9	8.6*	8-72	T1.9	36"	—	—	—
SLZ11D	23.0*	9.5-105	T1.6	51"	—	—	—
1.4XSD	0.7	1.4x extender for Primo Digital® zooms					
2XSD	0.9	2x extender for Primo Digital® zooms					
CDA	1.2	Double asphere attachment for 5mm					
WFA	1.4	Wide angle fisheye attachment for 7mm					

*\*Weight for zooms includes motor*



# ASPECT RATIO SETTINGS

# SHUTTER SPEED CONVERSION

ASPECT RATIO	Pixels		Viewfinder		Monitor	
	H	V	H	V	H	V
16:9 Full App	1920	1080			SAD 16:9	
					100	100
16:9 Safe Action	1824	1026	Safety 95%		SAD 16:9	
					95	95
1.85 Film Safe	1824	986	Var V		SAD 16:9	
			—	984	95	91
2.39 Film Safe	1824	763	Var V		SAD 16:9	
			—	764	95	71
4:3 Full App	1440	1080	Var H		SAD 4:3	
			1440	—	100	100
4:3 (95%) Safe Action	1368	1026	Var H		SAD 4:3	
			1368	—	95	95
4:3 (90%) Safe Action	1296	972	Var H		SAD 4:3	
			1296	—	90	90

1/Speed	Equivalent Shutter Angle		
	24sF	50i	60i
OFF	360	360	360
32	270	—	—
48	180	—	—
50	—	180	—
60	—	—	180
96	90	—	—
100	—	90	—
125	69	72	87
250	34	36	43
500	17	18	22
1000	8	9	11

*Viewfinder and monitor indicate closest available settings.*



## OPERATOR

1. VF Display
2. "!" Ind
3. Marker
4. Gain SW
5. Zebra/VF DTL
6. Auto Iris
7. Battery Alarm
8. Others
9. Operator File
10. Lens File

## FILE

1. Operator File
2. Scene File
3. Reference
4. Lens File
5. OHB File
6. File Clear

## MAINTENANCE

1. Auto Setup
2. White Shading
3. Black Shading
4. OHB Matrix
5. Auto Iris
6. Cam ID/Date
7. Multi Format
8. VTR Setup
9. Battery Alarm
10. Others 1
11. Others 2

## DIAGNOSTICS

1. Hours Meter
2. VTR Status
3. ROM Version
4. Board Status
5. Tele File

## PAINT

1. Switch Status
2. Video Level
3. Gamma
4. Black Gamma
5. Low Key Sat
6. Knee
7. Detail 1
8. Detail 2
9. Skin Detail
10. User Matrix
11. Multi Matrix
12. Shutter
13. Scene File

## COMMON MENU ITEMS

002	Record Inh	620	Character Display	902	Freeze Mode
005	Servo Ref	701	Video Input	754	Downconverter Mode
017	PB/EE State	T02	Video Sig Gen	T04	Audio Sig Gen

## PROCEDURE FOR CHANGING FRAME RATE

1. Press **MAINTENANCE** using a pen.
2. Press **SFT + F8** (mainten exec).
3. Press **F9** (others check).
4. Press **F9** (system menu).
5. Using **F2** (system freq).
6. Select the new frame rate.

Mode 1–23.98PsF    Mode 5–30PsF

Mode 2–24PsF    Mode 6–50i

Mode 3–25PsF    Mode 7–59.94i

Mode 4–29.97PsF    Mode 8–60i

## PROCEDURE FOR CLONING TAPES

1. Select the same frame rate on Player and Recorder. Only Modes 1, 4 and 7 allow SDTI.
2. Connect SDTI OUT on Player to SDTI IN on recorder.
3. Select VIDEO INPUT as SDTI on recorder using menu 701.
4. Select TCG SOURCE as Ext V on recorder.
5. Press PLAY on player.
6. Press PLAY and RECORD on recorder.

## HDMC DIP SWITCH REFERENCE

1.	Downconverter format	00–Letter Box 10–4x3 Squeeze	01–Side Crop 11–Future
3.	Video standard	00–1080i/60 10–1080p/24sF	01–720p 11–1080i/50
5.	Video standard	0–Manual	1–Auto
6.	Output format in 24sF	0–NTSC	1–PAL
7.			
8.	Color space conversion	0–Disable	1–Enable

## HDPC DIP SWITCH REFERENCE

1.	Reserved		
2.			
3.	Pulldown disable		
4.	Aspect Ratio	00–GPI Ctl	01–4:3 Prod
5.	Marker control	10–4:3 Clean	11–2.4:1
6.	ANC Timecode Selection	0–RP188	1–Film
7.	A Frame Align	00–xx:xx:xx:00	01–xx:xx:xx:01
8.	Control	10–xx:xx:xx:02	11–xx:xx:xx:03

## HDER DIP SWITCH REFERENCE (SRG CARD)

1	2	3	4	5	OUT 1	OUT 2	OUT 3	OUT 4
Off	Off	Off	Off	Off	1080i/60i	1080p/24sF	625i/48	6 Hz Pulse
On	Off	Off	Off	Off	1080i/59.94i	1080p/23.98sF	625i/47.96	6 Hz Pulse
Off	On	Off	Off	Off	1080i/50	1080p/24sF	625i/48	1 Hz Pulse
Off	Off	On	Off	Off	1080p/30	1080p/24sF	625i/48	6 Hz Pulse
On	Off	On	Off	Off	1080p/29.97	1080p/23.98sF	525i/47.96	6 Hz Pulse
Off	On	Off	On	Off	1080p/24sF	1080p/24sF	625i/48	625i/48
On	On	Off	On	Off	1080p/23.98sF	1080p/23.98sF	625i/47.96	625i/47.96

*default settings*

6	1–Genlock
7	Genlock Phase
8	Reserved