

4.4.5. Test Signals Available

The 5601MSC firmware contains a comprehensive set of test patterns for each video standard. Additional test patterns can be loaded using a CompactFlash card (see section 1.1.9). The full list of test patterns is shown here for firmware v2.0 b30. The list may change with future releases of firmware.

4.4.5.1. Signal List for 525, and NTSC

BLACK	VALID RAMP	60% EXTENDED MB
GREY	MODULATED RAMP	Y MULTIPULSE
WHITE	75% COLOR BARS	2T PULSE & BAR
FIELD ID (B=1, W=2)	100% COLOR BARS	SIN(X)/X
10 Y STEP	SMPTE BARS	BOWTIE
1 SEC AND 5 SEC IDENT. W. AUDIO	NTC7 COMPOSITE	SDI CHECKFIELD (SDI ONLY)
WHITE FLASH W. AUDIO	NTC7 COMBINATION	FULL AMPLITUDE FAST EDGES
Y RAMP	FCC COMPOSITE	COMPOSITE SIGNAL
SHALLOW Y RAMP	FCC MULTIBURST	

4.4.5.2. Signal List for 625, and PAL

BLACK	100% COLOR BARS	100% Y SWEEP
GREY	SMPTE BARS	60% Y SWEEP
WHITE	MODULATED RAMP	SDI CHECKFIELD (SDI ONLY)
FIELD ID (B=1, W=2)	CCIR 17	FULL AMPLITUDE FAST EDGES
WHITE FLASH W. AUDIO	CCIR 18	1 SEC AND 5 SEC IDENT. W. AUDIO
Y RAMP	CCIR 330	COMPOSITE SIGNAL
75% COLOR BARS	2T 4T 20T PULSE AND BAR	

4.4.5.3. Signal List for HD, 1920x1080

BLACK	100% WHITE WINDOW	24Fps 4 FRAME SEQUENCE
WHITE	50% WHITE WINDOW	20Fps 4 FILM FRAME SEQ.
FIELD IDENT. (Blk=1, Wht=2)	20% WHITE WINDOW	1 SEC AND 5 SEC IDENT.W.AUDIO
FRAME IDENT.	SDI CHECKFIELD	60% Y LINE SWEEP TO 30 MHz
100% COLORBARS	GREY (QUIET)	60% Y LINE SWEEP TO 60 MHz
75% COLORBARS	GREY (ACTIVE)	MULTIPULSE
75% BARSW. 100% WHITE	FULL FIELD PLUGE	Y MULTIPULSE
RP219 COLORBARS	10 FRAME SEQUENCE	CIRCLE WITH CENTER CROSS
LAB BARS, MOVING BOX	8 FRAME SEQUENCE	CLEAN APERTURE WITH GRATICULE
VALID RAMP	BOUNCING BOX	

4.4.5.4. Additional Test signals in CompactFlash for HD, 1920x1080

COLOR WHEEL WITH RAMPS	Y RAMP AT VARIOUS BIT RESOLNS	FULL AMPLITUDE FAST EDGES
107% WHITE WINDOW	CB RAMP AT VARIOUS BIT RESOLNS	60% Y MULTIBURST (LOW)
90% WHITE WINDOW	CR RAMP AT VARIOUS BIT RESOLNS	60% Y MULTIBURST (MID)
80% WHITE WINDOW	CLEAN APERTURE WITH GRATICULE	60% Y MULTIBURST (HIGH)
70% WHITE WINDOW	GRATICULE WITH 3D REGISTRATION	60% MULTIBURST (LOW)
60% WHITE WINDOW	GRATICULE WITH 3D REG. (T/B)	60% MULTIBURST (MID)
40% WHITE WINDOW	GRATICULE WITH 3D REG. (L/L)	60% MULTIBURST (HIGH)
30% WHITE WINDOW	GRATICULE WITH 3D REG. (L/R)	SUNDANCE 3D
12% WHITE WINDOW	GRATICULE WITH 3D REG. (L/R)	SUNDANCE 3D WITH TEXT
10% WHITE WINDOW	INTER-OCULAR CROSSTALK BANDS	SUNDANCE 3D (T/B)
SDI EQ STRESS	1 SEC AND 5 SEC IDENT. W.AUDIO	SUNDANCE 3D (PROGRESSIVE)
SDI PLL STRESS	4 FILM FRAME SEQUENCE (30Hz)	SUNDANCE IMAGE (PROGRSVE)
WHITE FLASH W. AUDIO	4 FILM FRAME SEQUENCE (60Hz)	SUNDANCE IMAGE
4 FRAME SEQUENCE	4 FILM FRAME, 1 FLASH (30Hz)	ZONE PLATE
4 FRAME, FLASH F1	4 FILM FRAME, 1 FLASH (60Hz)	

4.4.5.5. Signal List for HD, 1280x720

BLACK	LAB BARS, MOVING BOX	1 SEC AND 5 SEC IDENT. W.AUDIO
WHITE	VALID RAMP	MULTIPULSE
FULL FIELD PLUGE	SDI CHECKFIELD	60% Y LINE SWEEP TO 30MHz
75% COLORBARS	GREY (QUIET)	CIRCLE WITH CENTER CROSS
75% COLORBARS W.100% WHITE	GREY (ACTIVE)	CLEAN APERTURE WITH GRATICULE
100% COLORBARS	10 FRAME SEQUENCE	
RP219 COLORBARS	Y MULTIPULSE	

4.4.5.6. Additional Signals in CompactFlash for HD, 1280x720

FRAME ID	12% WHITE WINDOW	60% Y MB: 10,12,14,16,18,20MHz
107% WHITE WINDOW	FULL AMPLITUDE FAST EDGES	60% Y MB: 20,22,24,26,28,30MHz
100% WHITE WINDOW	BOUNCING BOX	60% MB: 1,2,4,6,8,10MHz
80% WHITE WINDOW	WHITE FLASH W.AUDIO	60% MB: 10,12,14,16,18,20MHz
50% WHITE WINDOW	60% Y LINE SWEEP 15 TO 30MHz	60% MB: 20,22,24,26,28,30MHz
20% WHITE WINDOW	60% Y MB: 1,2,4,6,8,10MHz	PRODUCTION APERTURE

4.4.5.7. Signal List for 2048x1080, 3GB and Dual Link

BLACK	RP219 COLORBARS	8 FRAME SEQUENCE
WHITE	VALID RAMP	MULTIPULSE
FRAME IDENT.	SDI CHECKFIELD	Y MULTIPULSE
100% COLORBARS	GREY (QUIET)	CLEAN APERTURE WITH GRATICULE
75% COLORBARS	GREY (ALL DATA BITS ACTIVE)	
75% BARS, 100% WHITE	FULL FIELD PLUGE	

4.4.5.8. Additional Signals in CompactFlash for 2048x1080, 3GB and Dual Link

LAB BARS, MOVING BOX	Y RAMP TO MAX AND BACK	INTEROCULAR CROSTALK BANDS
BLACK AND BARS	Y RAMP AT VARIOUS BIT RESOLNS	CAMERA SUNDANCE
FULL FIELD PLUGE	CB RAMP AT VARIOUS BIT RESOLNS	SUNDANCE 3D DUAL LINK
VALID RAMP	CR RAMP AT VARIOUS BIT RESOLNS	RED RAMP
WHITE FLASH W. AUDIO	DUAL LINK SDI CHECKFIELD	GREEN RAMP
107% WHITE WINDOW	3G LEVEL B SDI CHECKFIELD	BLUE RAMP
100% WHITE WINDOW	CLEAN APERTURE WITH GRATICULE	CIRCLE WITH CENTER CROSS
80% WHITE WINDOW	GRATICULE WITH 3D REG.	PRODUCTION APERTURE
50% WHITE WINDOW	3D ALIGNMENT SIGNALS	60% Y LINE SWEEP TO 30MHz
20% WHITE WINDOW	ROLLING 11 FRAME STEREO BOX	Y MULTIPULSE
12% WHITE WINDOW	ROLLING 3:2 FILM STEREO BOX	MULTIPULSE
Y MULTIPULSE	ROLLING 11 FIELD STEREO BOX	