

HITACHI CONFIDENTIAL PROPRIETARY		Chassis Zoom Camera Specifications				HITACHI	
						2000/12/26	
						" * ": Default mode	
		HITACHI		HITACHI			
		Pilot Sample		PrePro Sample		Final	
		12/00		1/01		2/01	
		Current				4/01	
		VK-S234		VK-S454		VK-S454	
		[NTSC]		[NTSC] only		[NTSC] only	
		[NTSC]		[NTSC] only		[PAL] only	
1	CCD Image Sensor	Image Size	4.5mm Dia. (1/4-inch)	<=>	<=>	4.5mm Dia. (1/4-inch)	<=
2		Total Pixels	410k (811 x 508)	=>	=>	380k (758 x 504)	450k (758 x 592)
3		Effective Pixels	380k (768 x 494)	=>	=>	360k (724 x 494)	420k (724 x 582)
4		Practical Pixels	380k (768 x 494)	=>	=>	360k (724 x 494)	420k (724 x 582)
5		Progressive Scan	-	=>	=>	YES	<=
6	Lens: Optical	Zoom mag.	22X (f=4.0~88mm)	=>	=>	23X (f=3.6~82.8mm)	<=
7		Practical f-value	4.0 ~ 88mm	=>	=>	3.6~82.8mm	<=
8		Practical H.angle: [°]	47.3 (w) ~ 2.2 (t)	=>	=>	54 (w)~2.5(t)	<=
9		F-value	F1.6(w) * ~F3.8(t)	=>	=>	F1.6(w) * ~F3.7(t)	<=
10		Zoom Speed (Manual)	3.9s * / 6.3s (soft)	=>	=>	4.2s * / 5.8s (soft)	<=
11		(In Preset : Trace / No-)	2.4s / 1.6s (soft)	=>	=>	2.9s / 1.6s (soft)	<=
12	Focus	Auto	VAF	<=>	<=>	VAF	<=
13		Manual (Far~Near)	Possible (soft)	<=>	<=>	Possible (soft)	<=
14		Focal Range	infinity~1m(t)~0.01m(w) * (soft)	<=>	<=>	infinity~1m(t)~0.01m(w) * (soft)	<=
15	IR Removable	Auto	-	=>	=>	Pro.AER+ * (OFF~ON~1/4*~1/4k)	<= (OFF~ON~1/3*~1/4k)
16		Manual (ON/OFF)	-	=>	=>	Possible (soft)	<=
17	Durability	Zoom / Focus / Iris	500k cycles	<=>	<=>	500k cycles	<=
18		IR Removable	-	=>	=>	50k cycles	<=
19	DSP	DSP-5	DSP-5	=>	=>	DSP-6	<=
20	-Functions-	Digital Slow Shutter	YES (DRAM I/F)	=>	=>	YES (SDRAM I/F) w/o WDR	<=
21		Progressive Scan	-	=>	=>	YES	<=
22		Wide Dynamic Range	-	=>	=>	OFF * / ON Auto * (offset) / Manual (soft)	<=
23		Image Reverse	-	=>	=>	OFF * / ON (soft) w/o WDR	<=
24		Scene Memory [Freeze]	-	=>	=>	OFF * / ON *** (soft)	<=
25		Privacy Masking	-	=>	=>	OFF / ON * 2 position (soft)	<=
26	Digital Zoom	Zoom mag.	OFF * / ON 2 X * (soft : max.8X)	=>	=>	OFF * / ON 2 X * (soft : max.10X)	<=
27	Electrical Shutter	Auto	Pro.AE (1/60~1/4ks)	<=>	<=>	Pro.AE (1/60~1/4ks)	<= (1/50~1/4ks)
28		Auto(+DSShutter)	Pro.AE+ * (1/2~1/4*~1/4ks : Seamless	<=>	<=>	Pro.AE+ (1/2~1/4*~1/4ks : Seamless)	<= (1/1.5~1/3*~1/4ks : Seamless)
29		Shutter priority	1/2~1/30ks : soft	=>	=>	Shutter priority w/o WDR	<= 1/1.5~1/30k : soft
30		Manual		=>	=>	Exposure priority w/o WDR	<=
31		manual (Sensitivity)	32x,16x,8x,4x,2x (soft)	<=>	<=>	32x,16x,8x,4x,2x (soft)	<=
32	Iris	Auto * / (offset : soft)		<=>	<=>	Auto * / (offset : soft)	<=
33	White balance	Auto * / (manu : soft)		<=>	<=>	Auto * / (manu : soft)	<=
34	Resolution	Normal (1/60s,1/50s)	470 / (400) TVL	<=>	<=>	470 / (400) TVL	470 / (550) TVL
35	Horizontal / (Vertical)	DSS (1/4s,1/3s)	470 / (200) TVL	=>	=>	470 / (400) TVL	470 / (550) TVL
36	Luminance S/N ratio		50 dB	<=>	<=>	50 dB	<=
37	Min. Sensitivity	IR-cut ON (1/60s,1/50s)	3 lx (Color)	<=>	<=>	3 lx (Color)	<=
38	Typical	IR-cut ON (1/4s,1/3s)	0.2 lx (Color)	<=>	<=>	0.2 lx (Color)	<=
39		(1/2s,1/1.5s)	0.1 lx (Color)	<=>	<=>	0.1 lx (Color)	<=
40		IR-cut OFF (1/4s,1/3s)	-	=>	=>	0.02 * lx (B/W *)	<=
41		w/ IR illuminator [option]	-	=>	=>	[0 lx (B/W *)]	<=
42	In 3m	Condition	(F1.6(w), 300mV)	<=>	<=>	(F1.6(w), 300mV)	<=
43	Sync System	Internal / Line-Lock (60Hz)		<=>	<=>	Internal / Line-Lock (60Hz)	<= (50Hz)
44	Power	Supplied voltage	9V DC	<=>	<=>	9V DC	<=
45		Supplied current	280mA	=>	=>	340mA w/ WDR	<=
46		max.	380mA	=>	=>	540mA w/ WDR	<=
47		Consumption max.	3.3W	=>	=>	3.1W (4.6W) w/ WDR	<=
48	Dimension	W x H x D	50 x 60 x 89.5mm (w/ M-case)	<=>	<=>	50 x 60 x 89.5mm (w/ M-case)	<=
49	Weight	Approx.	225g (w/ M-case)	=>	=>	230g (w/ M-case)	<=
50	No. of Connector		1 (9pin)	<=>	<=>	1 (9pin)	<=
51	Operating Temp. (Recommend): [°C]		0 ~ 60 (~ 40)	<=>	<=>	0 ~ 60 (~ 40)	<=
		" * * ": Freeze ON is Pro.AE (non-DSS) mode only.				" * * * ": Freeze ON is All mode (cannot set this for DSS area).	
		In case of Freeze ON, AE mode will not be changed				In case of Freeze ON, the camera status will not be changed.	