

OHB-750WSA (NTSC)/**750WSAP** (PAL)

Integrated Imaging Capsule

•Furnished with a true 16:9 widescreen image format Power HAD 1000 FIT CCD chips for the BVP-900/900P and the BVP-950/950P.

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Specifications (OHB-750A/750WSA/730/730WS) (NTSC)

	OHB-750A	OHB-750WSA	OHB-730	OHB-730WS
Pickup device system				
Device configuration	3-chip 2/3-inch FIT CCD	3-chip 2/3-inch FIT CCD	3-chip 2/3-inch IT CCD	3-chip 2/3-inch IT CCD
Aspect ratio	4:3 standard	16:9/4:3 switchable	4:3 standard	16:9/4:3 switchable
Picture elements	1038 (H) x 504 (V)			
Optical Specifications				
Spectrum system	F1.4 prism system			
Servo control	Yes			
Color filter-A	Cross			
Color filter-B	3200K			
Color filter-C	4300K			
Color filter-D	6300K			
Color filter-E	8000K			
ND filter-1	Clear			
ND filter-2	1/4 ND			
ND filter-3	1/8 ND			
ND filter-4	1/16 ND			
ND filter-5	1/64 ND			
Electrical Characteristic				
Sensitivity	F8.0 at 2000 lx (3200K 89.9% reflectance)	F 10.0 at 2000 lx (3200K 89.9% reflectance)	F8.0 at 2000 lx (3200K 89.9% reflectance)	F 10.0 at 2000 lx (3200K 89.9% reflectance)
Minimum subject illumination	7.8 lx (F1.4, +18 dB gain)	5 lx (F1.4, +18 dB gain)	7.8 lx (F1.4, +18 dB gain)	5 lx (F1.4, +18 dB gain)
Signal-to-noise ratio	65 dB			
Horizontal resolution	900 TV lines			
Vertical resolution	400 TV lines (450TV lines with EVS or Super EVS)		480 TV lines	
Geometric distortion	Below measurable level (without lens)			
Shutter speed selection	1/100, 1/250, 1/500, 1/1000, 1/2000 sec.			
Gain selection	-3, 0, +3, +6, +9, +12 +18 dB			
Clear scan selection	30.4 to 7000 Hz		60.1 to 7000 Hz	
Modulation depth at 5 MHz	80 % (typical)			
Power Consumption	20W			
Power requirements	DC 10.5 to 17 V			
General				
Operating temperature	-20°C to +45°C (-4°F to +113°F)			
Storage temperature	-20°C to +50°C (-4°F to +122°F)			

Specifications (OHB-750AP/750WSAP/730P/730WSP) (PAL)

	OHB-750AP	OHB-750WSAP	OHB-730P	OHB-730WSP
Pickup device system				
Device configuration	3-chip 2/3-inch FIT CCD		3-chip 2/3-inch IT CCD	
Aspect ratio	4:3 standard	16:9/4:3 switchable	4:3 standard	16:9/4:3 switchable
Picture elements	1038 (H) x 594 (V)			
Optical Specifications				
Spectrum system	F1.4 prism system			
Servo control	Yes			
Color filter-A	Cross			
Color filter-B	3200K			
Color filter-C	4300K			
Color filter-D	6300K			
Color filter-E	8000K			
ND filter-1	Clear			
ND filter-2	1/4 ND			
ND filter-3	1/8 ND			
ND filter-4	1/16 ND			
ND filter-5	1/64 ND			
Electrical Characteristic				
Sensitivity	F8.0 at 2000 lx (3200K 89.9% reflectance)	F 9.0 at 2000 lx (3200K 89.9% reflectance)	F8.0 at 2000 lx (3200K 89.9% reflectance)	F 9.0 at 2000 lx (3200K 89.9% reflectance)
Minimum subject illumination	7.8 lx (F1.4, +18 dB gain)	6.2 lx (F1.4, +18 dB gain)	7.8 lx (F1.4, +18 dB gain)	6.2 lx (F1.4, +18 dB gain)
Signal-to-noise ratio	63 dB			
Horizontal resolution	900 TV lines			
Vertical resolution	480 TV lines (530TV lines with EVS or Super EVS)		480 TV lines	
Geometric distortion	Below measurable level (without lens)			
Shutter speed selection	1/60, 1/125, 1/250, 1/500, 1/1000, 1/2000 sec.			
Gain selection	-3, 0, +3, +6, +9, +12 +18 dB			
Clear scan selection	25.4 to 9000 Hz		50.2 to 9000 Hz	
Modulation depth at 5 MHz	80 % (typical)			
Power Consumption	20W			
Power requirements	DC 10.5 to 17 V			
General				
Operating temperature	-20°C to +45°C (-4°F to +113°F)			
Storage temperature	-20°C to +50°C (-4°F to +122°F)			