

WAT-30HD (G3.6) 1/3" Ultra-compact HD-SDI Color Camera

Ultra-compact design with Full HD 1920×1080p CMOS sensor

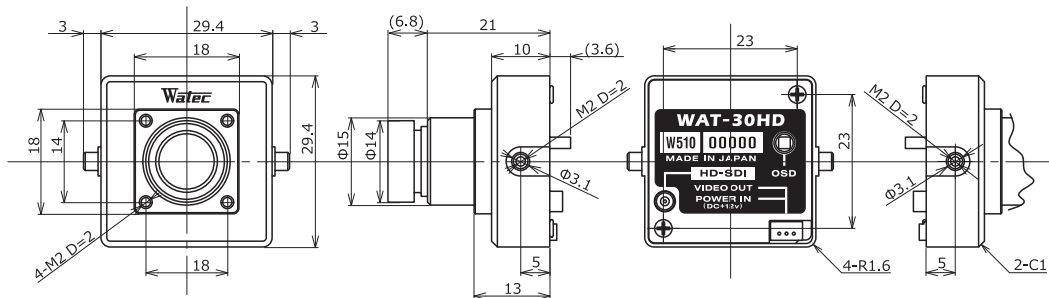


*NO CE & FCC

Key features

- Only 30mm square with 35g achieves 2.1 Megapixel HD-SDI
- “Double shutter” & “Digital” wide dynamic range selectable
- Advanced setting available by OSD (On Screen Display) through on-camera joystick
- SD/analogue output for checking image at set up
- Various optional M12 lenses available *Glass lenses and pinhole lens are not interchangeable

Dimensions



Specifications

Pick-up element	1/3 inch CMOS image sensor	
Number of effective pixels	1944(H) × 1092(V)	
Unit cell size	2.75μm × 2.75μm	
Imaging system	RGB primary color bayer arrangement mosaic filters on chip	
Synchronizing system	Internal	
Scanning system	Progressive	
Video outputs	HD-SDI	
	Composite : 1.0 V(p-p) 75Ω (Unbalanced)	
Output format	1080/30p, 1080/25p, 720/60p*, 720/50p*, NTSC, PAL *Imaging 30/25 fps	
Resolution (H)	More than 900 (Center)	
Minimum illumination	0.1 lx F2.0 (AGC ON=60dB, Shutter=OFF)	
	0.01 lx F2.0 (AGC ON=50dB, Shutter=x32)	
S/N	More than 52dB (AGC OFF=12dB, γ≈0.45)	
Function settings	OSD : Joystick	
AE mode	Fixed	1/30, 1/60, 1/120 sec. *1080/30p, 720/60p mode
		1/25, 1/50, 1/100 sec. *1080/25p, 720/50p mode
	EI	1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/16000, 1/30000 sec.
White balance	ATW, PWB, MWB	1/30 - 1/30000 sec. *1080/30p, 720/60p mode
		1/25 - 1/30000 sec. *1080/25p, 720/50p mode
AGC	ON	x32 - 1/30000 sec.
	OFF	12 - 60dB (Max, 12 - 60dB)
MGC	12dB	
Day/Night	Digital Auto, Manual	
Gamma characteristics	γ≈0.45	
Noise reduction	3DNR OFF/ON Level adjustable	
Wide dynamic range	WDR OFF/ON Level adjustable, D-WDR OFF/ON	
Lens iris	—	
Back light compensation	BLC, HSBLC	
White blemish correction	Up to 1024 pixels	
Sharpness	Level adjustable	
Defog	OFF/ON Level adjustable	
Digital zoom	ZOOM (x1.0 - x20.0)	
Privacy mask	16 masks	
Mirror image	OFF, V-FLIP, H-FLIP, HV-FLIP	
Freeze	—	
Motion detection	OFF/ON 1areas arbitrarily configurable	
Neg.image	—	
Interface	MMCX (HD-SDI), 3P connector (Composite Video, Power in)	
Power supply	DC+12V±10%	
Power consumption	1.44W (120mA)	
Operating temperature	-10 - +50°C	
Storage temperature	-20 - +60°C	
Operating / Storage humidity	80% RH or less / 95% RH or less (Without condensation)	
Lens mount	M12 P=0.5	
Standard lens	M3620BC-12 (f3.6 F2.0)	
Weight	Approx. 35g	
Accessories	Cable with connectors	

Accessories Options

