

# WAT-910HX 1/2" NIR Sensitivity Camera

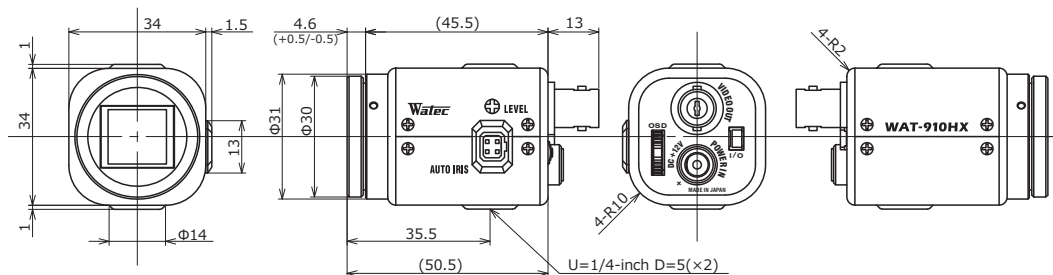
Achieves minimum illumination performance by 1/2-inch high sensitive CCD sensor and our unique circuit design



## Key features

- Min. illumination 0.0000025 lx F1.4 (AGC HIGH=41dB, Shutter=x256,  $\gamma=0.35$ , NR=ON)
- High quality image without noise under poor light condition
- Advanced setting available by OSD (On Screen Display) through jog dial on camera

## Dimensions

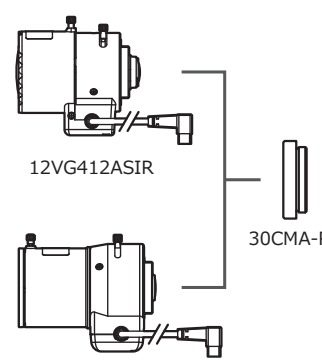


## Specifications

		EIA	CCIR
Video standard		EIA	CCIR
Pick-up element		1/2 inch interline transfer CCD image sensor	
Number of effective pixels		768(H) × 494(V)	752(H) × 582(V)
Unit cell size		8.4 $\mu$ m(H) × 9.8 $\mu$ m(V)	8.6 $\mu$ m(H) × 8.3 $\mu$ m(V)
Synchronizing system		Internal	
Scanning system		2:1 interlace	
Video output		Composite video, 1.0 V(p-p) 75 $\Omega$ (Unbalanced)	
Resolution (H)		More than 570TVL (Center)	
Minimum illumination		0.0000025 lx F1.4 (AGC HIGH=41dB, Shutter=x256, $\gamma=0.35$ , NR=ON)	
S/N		More than 52dB (AGC OFF=6dB, $\gamma=1.0$ , Shutter=x256, NR=ON)	
Function settings		OSD : Jog dial	
AE mode	Fixed	x2, x4, x8, x16, x32, x64, x128, x256 (field)	
		1/60, 1/100 sec.	1/50, 1/120 sec.
	EI	1/250, 1/500, 1/1000, 1/2000, 1/5000, 1/10000, 1/100000 sec.	1/50 - 1/100000 sec.
AGC	ON	x256 - 1/100000 sec.	
	OFF	6 - 30dB (LOW), 6 - 34.5dB (MID), 6 - 41dB (HIGH)	
MGC		6 - 41dB (1dB step)	
Gamma characteristics		$\gamma=0.05 \sim 1.0$ (0.05 step), USER (S-curve)	
Video level		95IRE	92.5IRE
Noise reduction		3DNR OFF/ON Level adjustable	
Wide dynamic range		D-WDR OFF/ON Level adjustable	
Lens iris		Video/DC (EIAJ, Auto-select)	
Back light compensation		BLC, HSBLC	
White blemish correction		Up to 64 pixels	
Sharpness		Level adjustable	
Defog		-	
Digital zoom		ZOOM (x1 - x32), PAN/TILT	
Privacy mask		-	
Mirror image		OFF, V-FLIP, H-FLIP, HV-FLIP	
Freeze		OFF/ON	
Motion detection		OFF/ON 4areas arbitrarily configurable	
Neg.image		OFF/ON	
Interface		BNC (Composite Video), Power in, Auto iris, 3P connector (GPIO)	
Power supply		DC+12V $\pm$ 10%	
Power consumption		1.38W (115mA)	
Operating temperature		-10 - +50 $^{\circ}$ C	
Storage temperature		-30 - +70 $^{\circ}$ C	
Operating / Storage humidity		95% RH or less (Without condensation)	
Lens mount		CS mount (Back focus adjustable)	
Weight		Approx. 83g	
Accessories		WPDC12 (DC plug), AIC-G (Iris plug), Hex. Wrench, I/O cable	

Accessories Options

C-mount lenses / Mount adaptors

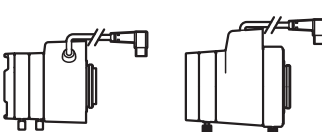


12VG412ASIR

30CMA-R

12VG1040ASIR


CS-mount lenses



HG3Z4512FCS-IR

HG3Z1014FCS

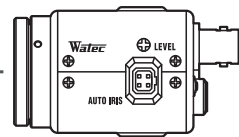
Miniature lenses / Mount adaptors



0814BC-12

28MMA-M12-140

**WAT-910HX**



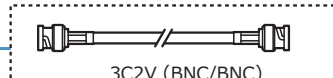
VIDEO OUT (BNC)



POWER IN (DC12V)

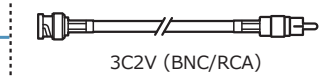
I/O

Cables



3C2V (BNC/BNC)

BNC




3C2V (BNC/RCA)

RCA



※Not in our lineup


Cable



Motion detection

I/O cable (300mm)

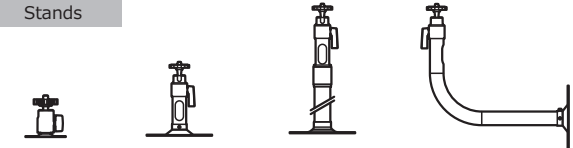
Power supply adaptors



SWI12-12-N-P5

SWI12-12-E-P5

Stands



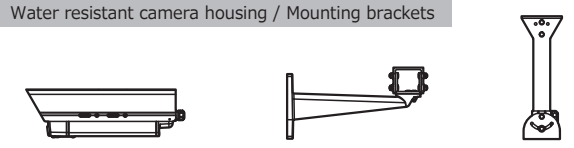
MS50

WH-31

WH-11

WH-21

Water resistant camera housing / Mounting brackets



VCHO-15S

WH-6N

PTP-300