

WAT-933

1/2.8" Compact High Sensitivity Network B&W Camera

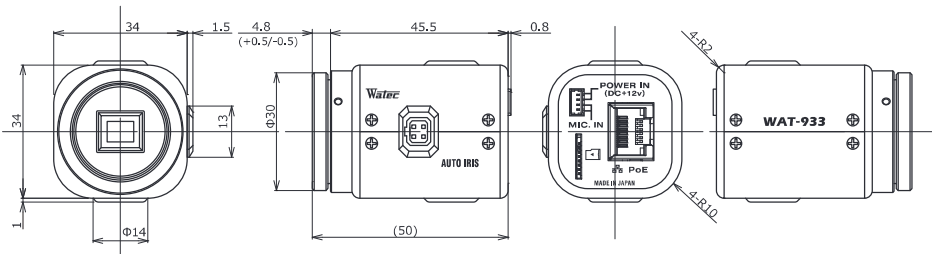
As small as WAT-902 series



Key features

- Supporting microSD enables stand-alone recording without the network connection
- Video output quick start-up in 6 sec.
- Power-saving PoE : 1.92W/40mA DC+12V : 1.56W/130mA

Dimensions



Specifications

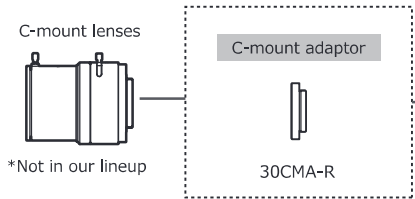
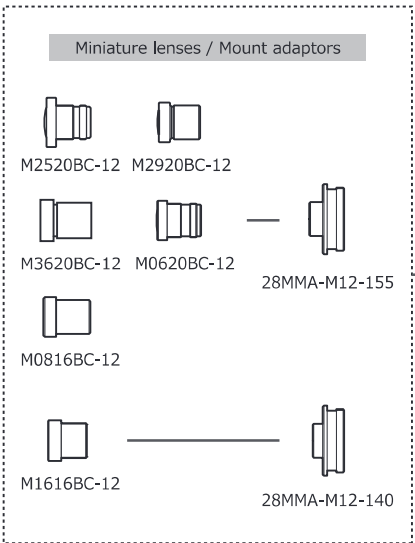
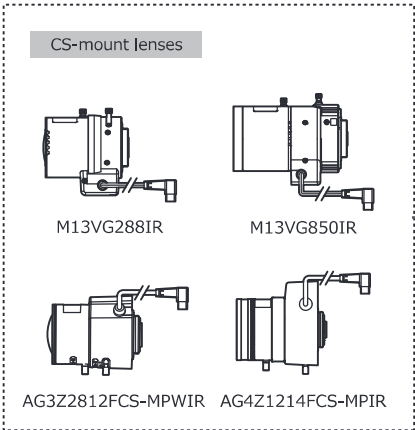
Pick-up element	1/2.8 inch BSI CMOS image sensor		
Number of effective pixels	1945(H) × 1097(V)		
Unit cell size	2.9µm(H) × 2.9µm(V)		
Imaging system	—		
Synchronizing system	Internal		
Scanning system	Progressive		
Output size	1920×1080, 1280×720, 800×600, 704×480, 704×400, 640×480, 640×360, 320×240		
Max. frame rate	30 fps		
Video compression	H.264, MJPEG		
Minimum illumination	0.0001 lx F1.4 (AGC HIGH=72dB, Shutter=OFF)		
S/N	—		
Function settings	Browser		
AE mode	Fixed	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000, 1/15000, 1/30000 (sec.) *1	1/25, 1/50, 1/100, 1/200, 1/400, 1/800, 1/1600, 1/3200, 1/6400, 1/12800, 1/25600 (sec.) *2
		1/30 - 1/30000 (sec.) *1 ×32 - 1/30000 (sec.) *1 *3	1/25 - 1/25600 (sec.) *2 ×32 - 1/25600 (sec.) *2 *3
White balance	ATW, PWB, MWB, PRESET (3000K, 5000K, 8000K)		
AGC	ON	0 - 72dB	
	OFF	0dB	
MGC	—		
Day/Night	—		
Noise reduction	3DNR OFF/ON (Level adjustable)		
Wide dynamic range	WDR OFF/ON (Level adjustable)		
Lens iris	DC		
Back light compensation	BLC, HSBLC		
White blemish correction	ON		
Sharpness	Level adjustable		
Defog	OFF/ON (Level adjustable)		
Digital zoom	—		
Privacy mask	16 masks		
Mirror image	OFF, V-FLIP, H-FLIP, HV-FLIP		
Freeze	—		
Motion detection	OFF/ON 4 areas arbitrarily configurable		
Neg. image	—		
ONVIF	profile S		
Supported protocols	TCP/IP, UDP/IP, RTP(RTCP), RTSP,		
	SNTP, HTTP, FTP, DHCP, DNS		
Interface	RJ45 (10BASE-T, 100BASE-TX), 4P Connector (MIC. IN, POWER IN), Auto iris, microSD (Recommended: SDHC / SDXC standard, MLC type, Speed Class CLASS 10 or more, Capacity of 128GB or less)		
Power supply	PoE +48V (IEEE802.3af), DC+12 - 36V *+12V is recommended for DC input		
Power consumption	1.92W/40mA (PoE +48V), 1.56W/130mA (DC+12V)		
Operating temperature	0 - +50°C		
Storage temperature	-30 - +70°C		
Operating / Storage humidity	95% RH or less (Without condensation)		
Lens mount	CS mount (Back focus adjustable)		
Weight	Approx. 80g		
Accessories	4P cable, Hex, wrench, Clamp filter		

*1: Frequency=60Hz *2: Frequency=50Hz *3: When using the Slow Shutter

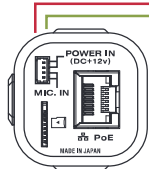
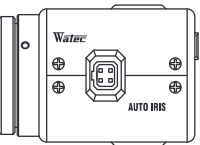
*ONVIF is a trademark of Onvif, Inc. *microSD is a trademark of SD Association. SD, SDHC and SDXC (and logos) are trademarks of SD-3C, LLC.

*XProtect is a registered trademark of Milestone Systems A/S.

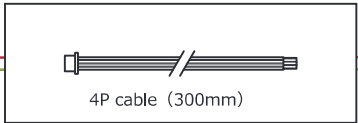
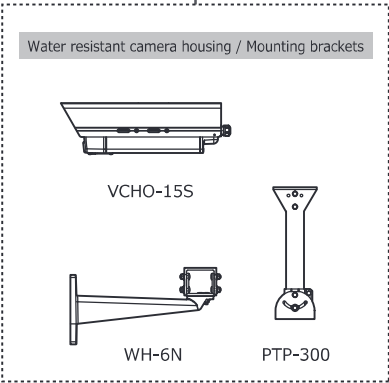
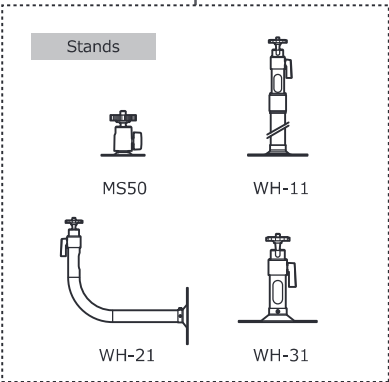
Accessories Options



WAT-933

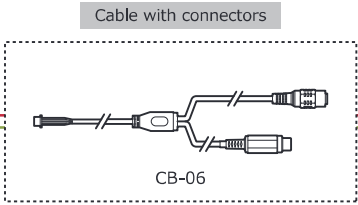


microSD
*Not in our lineup



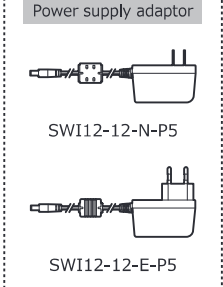
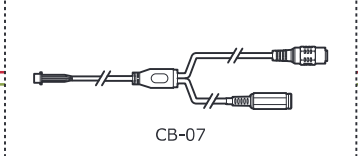
POWER IN (DC+12-36V)

MIC. IN



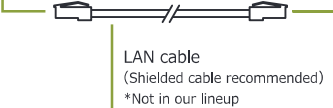
LINE IN

POWER IN (DC+12V)

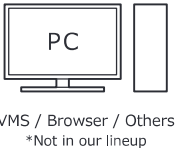
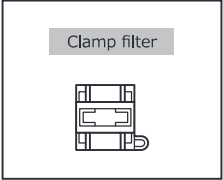


MIC. IN

*Use the MIC. which is a plug-in power type.



*Use the PoE hub or NVR supporting IEEE802.3af for the PoE power supply



For more information please contact:



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