

WAT-933

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

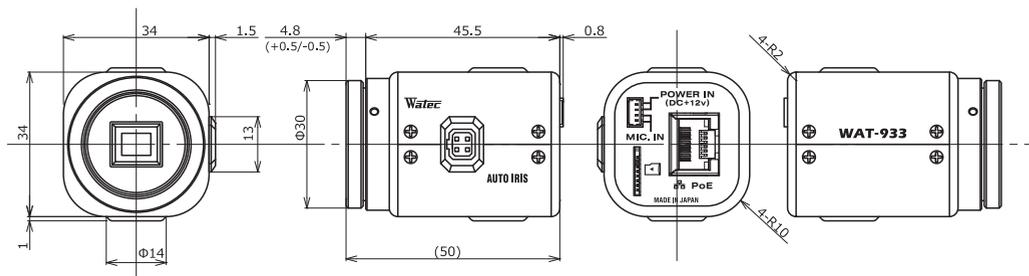
As small as WAT-902 series



Key features

- Supporting microSD enables stand-alone recording without the network connection
- Video output quick start-up in 6 sec.
- Power-saving PoE : 3.12W/65mA DC+12V : 2.16W/180mA

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	60 fps *1	
Video compression	H.264, MJPEG	
Minimum illumination	0.0001 lx F1.4 (AGC HIGH=72dB, Shutter=OFF)	
S/N	-	
Function settings	Browser *2	
AE mode	Fixed	1/30, 1/60, 1/120, 1/250, 1/500, 1/1000, 1/25, 1/50, 1/100, 1/200, 1/400, 1/800, 1/2000, 1/4000, 1/8000, 1/15000, 1/1600, 1/3200, 1/6400, 1/12800,
		1/30000 (sec.) *3 1/25600 (sec.) *4
EI	1/30 - 1/30000 (sec.) *3 1/25 - 1/25600 (sec.) *4	1/25 - 1/25600 (sec.) *4
	×32 - 1/30000 (sec.) *3 *5 ×32 - 1/25600 (sec.) *4 *5	×32 - 1/25600 (sec.) *4 *5
White balance	-	
AGC	ON	0 - 72dB *6
	OFF	0dB
MGC	-	
Day/Night	-	
Gamma Characteristics	γ≈0.45, 0.55, 0.65, 0.75	
Noise reduction	3DNR OFF/ON (Level adjustable)	
Wide dynamic range	WDR OFF/ON (Level adjustable)	
Lens iris	DC	
Back light compensation	BLC, HSBLIC	
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 *7	
Power supply	PoE +48V (IEEE802.3af), DC+12 - 36V +12V is recommended for DC input	
Power consumption	3.12W/65mA (PoE +48V), 2.16W/180mA (DC +12V)	
Operating / Storage temperature	0 - +50°C / -30 - +70°C	
Operating / Storage humidity	95% RH or less (Without condensation)	
Lens mount	CS mount (Back focus adjustable)	
Weight	Approx. 83g	
Accessories	4P cable, Hex. wrench, Clamp filter	
Acquired Standards	FCC (FCC Rules and Regulations Title 47 CFR Part 15), CE (EN IEC 61000-6-3:2021, EN50130-4:2011 + A1:2014)	

*1: When set to 720P or lower *2: Google Chrome recommended *3: Frequency=60Hz *4: Frequency=50Hz *5: When using the Slow Shutter *6: AGC MAX is variable from 0 - 72dB *7: microSD (Recommended operating conditions: SDHC/SDXC standard, MLC type or high endurance model, Speed Class CLASS 10 or more, Capacity of 256GB or less) *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

CS-mount lenses

M13VG288IR M13VG850IR
 AG3Z2812FCS-MPWIR AG4Z1214FCS-MPIR

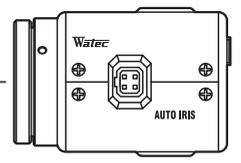
Miniature lenses / Mount adaptors

M2520BC-12 M2920BC-12
 M3620BC-12 M0620BC-12
 M1625BC-12 28MMA-M12-155

C-mount lenses

*Not in our lineup
 30CMA-R

WAT-933



microSD
 *Not in our lineup

Stands

MS50 WH-11
 WH-21 WH-31

Water resistant camera housing / Mounting brackets

VCHO-15S
 WH-6N PTP-300

