WAT-2400S
1/2.8" Compact High Sensitivity Network Color Camera
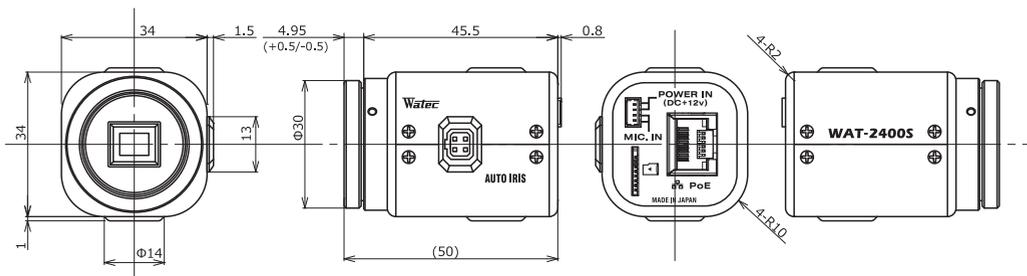
As small as WAT-902 series

ONVIF® | S microSDXC milestone TECHNOLOGY PARTNER PROGRAM

Key features

■ Supporting microSD enables stand-alone recording without the network connection

■ Video output quick start-up in 6 sec.

■ Power-saving PoE : 2.40W/50mA   DC+12V : 1.80W/150mA

Dimensions

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	RGB primary color bayer arrangement mosaic filter on chip	
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	
Video compression	H.264, MJPEG	
Minimum illumination	0.007 lx F1.2 (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
	EI	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 256GB or less)	
Power supply	PoE +48V (IEEE802.3af), DC+12 - 36V *+12V is recommended for DC input	
Power consumption	2.40W/50mA (PoE +48V), 1.80W/150mA (DC+12V)	
Operating temperature	0 - +50℃	
Storage temperature	-30 - +70℃	
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

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

Accessories   Options

CS-mount lenses
*see www.variovision.tv for more lens options

M13VG288IR   M13VG850IR

AG3Z2812FCS-MPWIR   AG4Z1214FCS-MPIR
*2246H

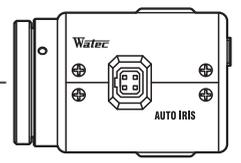### Miniature lenses / Mount adaptors

M2520BC-12   M2920BC-12
*401304   *401305

M3620BC-12   M0620BC-12
*401306   *401302

28MMA-M12-155
*401556

M0816BC-12   M1625BC-12
*401303   *503136

C-mount lenses
*see www.variovision.tv for options

C-mount adaptor
30CMA-R
*402806

WAT-2400S

Watec
AUTO IRIS

POWER IN (DC+12v)
MIC. IN
PoE
MADE IN JAPAN

microSD
*not included

Stands

MS50   WH-11
*402599   *303041

WH-21   WH-31
*303042   *303040

Water resistant camera housing / Mounting brackets

VCHO-15S

WH-6N   PTP-300

*see www.variovision.tv for more options

4P cable（300mm）

POWER IN (DC+12-36V)
MIC. IN

Cable with connectors

CB-06
*303043

LINE IN
POWER IN (DC+12V)

CB-07
*303044

Power supply adaptor

SWI12-12-N-P5

SWI12-12-E-P5
*303046

CB-09
*303047

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

MIC. IN
*Use the MIC. which is CTIA / AHJ compatible.

LAN cable
(Shielded cable recommended)
*see www.variovision.tv for more options

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

Clamp filter

Network hub   NVR   VMS / Browser / Others

PC

*see www.variovision.tv for more options