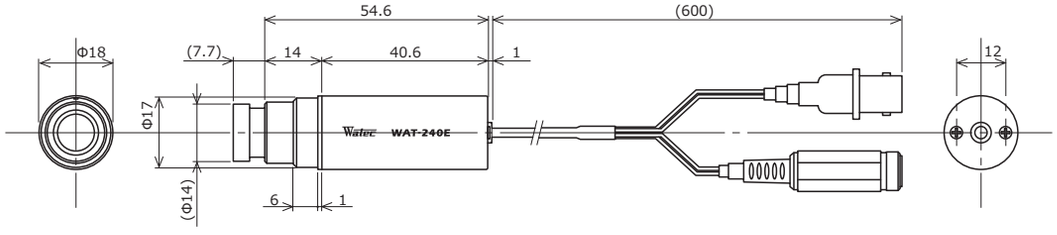
WAT-240E/CB (G3.8) 1/4” Miniature Camera

Compact cylindrical camera with Built-in lens & BNC output

Key features

- Resolution of 480TVL
- Versatile use for limited space, general surveillance, embedded system and part of image processing system
- Various Optional M12 lenses available ※Glass lenses and pinhole lens are not interchangeable

Dimensions



Specifications

Video standard		NTSC	PAL
Pick-up element		1/4 inch CMOS image sensor	
Number of effective pixels		648(H) × 488(V)	
Unit cell size		5.6μm(H) × 5.6μm(V)	
Imaging system		RGB primary color bayer arrangement mosaic filters on chip	
Synchronizing system		Internal	
Scanning system		Progressive	
Video output		Composite: 1.0 V(p-p) 75Ω (Unbalanced)	
Resolution (H)		More than 480TVL (Center)	
Minimum illumination		0.3 lx F2.0 (AGC ON=42dB, Shutter=OFF)	
S/N		More than 52dB (AGC OFF=0dB, γ=1.0)	
Function settings		–	
AE mode	Fixed	–	
	EI	1/60 - 1/100000 sec.	1/50 - 1/100000 sec.
White balance		ATW	
AGC	ON	0 - 42dB	
	OFF	–	
MGC		–	
Day/Night		–	
Gamma characteristics		γ≒0.45	
Video level		85IRE	
Noise reduction		–	
Wide dynamic range		–	
Lens iris		–	
Back light compensation		BLC	
White blemish correction		–	
Sharpness		–	
Defog		–	
Digital zoom		–	
Privacy mask		–	
Mirror image		–	
Freeze		–	
Motion detection		–	
Neg.image		–	
Interface		BNC (Composite Video), Power in	
Power supply		DC+5V - 6V	
Power consumption		0.66W/110mA (DC+6V)	
Operating temperature		-10 - +50℃	
Storage temperature		-30 - +70℃	
Operating / Storage humidity		95% RH or less (Without condensation)	
Lens mount		M12 P=0.5	
Standard lens		3820BC-12 (f3.8 F2.0)	
Cable length		600mm	
Weight		Approx. 33g	
Accessories		Ring holder	

Accessories
Options

Miniature lenses

2520BC-12

2920BC-12

3820BC-12
(Standard)

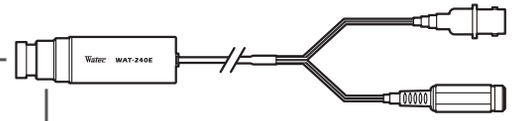
0625BC-12

1220BC-12

M1625BC-12

2540EX014-M12

WAT-240E/CB (G3.8)



VIDEO OUT (BNC)

POWER IN (DC5-6V)

Cables

1.5C2V (BNC/BNC)

3C2V (BNC/BNC)

3C2V (BNC/RCA)

VIDEO OUT (BNC)

VIDEO OUT (RCA)

Monitor

※Not in our lineup

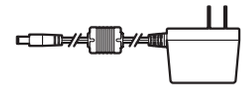
Extenders

EX005-M12-2

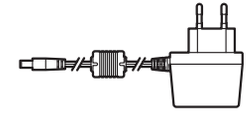
EX010-M12-2

Ring holder

Power supply adaptors

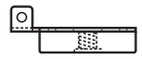


SWI6-5.9-N-P13



SWI6-5.9-E-P13

Holder



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Stand

MS50