

Application



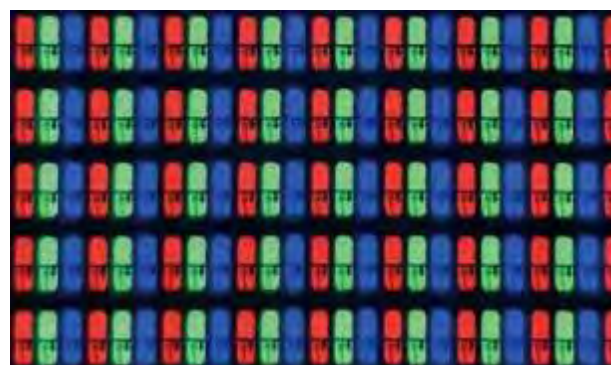
【Semiconductor】



【High density board】



【Micro LED】



【Color filter】

Example mount for BTL Series

Model Number	Compatible Camera	Screw Pitch	Flange Back
BTL□□□-E	TELEDYNE e2V	M95 (P=1)	9.4 mm
BTL□□□-DX	HIKROBOT (16K LINE SCAN) / TELEDYNE DALSA	M90 (P=1)	12 mm
BTL□□□-M	HIKROBOT (151 MP) / TELEDYNE DALSA / TAKEX / SVS-Vistek (151MP)	M72 (P=0.75)	19.55 mm
BTL□□□-VW3	VIEWWORKS (151MP)	M72 (P=0.75)	19.52 mm
BTL□□□-D	HIKROBOT (16K) / TELEDYNE DALSA	M72 (P=0.75)	12 mm
BTL□□□-N	NED	M72 (P=0.75)	31.8 mm
BTL□□□-F	F Mount Camera	F Mount	46.5 mm

Please contact in case of using different mount

Option for BTL Series

- **High brightness Spot LED lighting** Possible to be illuminated uniformly, and available for high contrast image
- **Holder** Holder of general $\phi 8$ mm LED spot lighting and Fiber lighting
- **Flange adaptor** Possible to increase robustness such as fixing inside equipment

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M·TRON

NEW LINE UP BTL SERIES

151 MP



**Challenge for
singularity
by optics**

BTL SERIES

151MP

16K-5 μ m

16K-3.5 μ m

127MP

65MP

Large Format

High NA/ High Magnification Telecentric Lens



Features

- Suitable for Area Sensor Camera 151MP (3.76 μ m/Pixel) , 127MP (3.45 μ m/Pixel) , and Line Sensor Camera 16K-5 μ m· 16K-3.5 μ m
- Possible to clearly detect fine pattern recognition
- Ultra-high brightness for High Magnification Telecentric Lens
- Available for high brightness LED spot lighting

SPECIFICATION

Model Number	Coaxial	Magnification	WD	Line Sensor	Area Sensor
BTL15W-□	—	1.5x	150 mm	16K-3.5 μ m	151MP (3.76 μ m)
BTL15WC2-□	○	1.5x			
BTL20W-□	—	2.0x			
BTL20WC2-□	○	2.0x	110 mm	16K-5 μ m	127MP (3.45 μ m)
BTL25W-□	—	2.5x			
BTL25WC2-□	○	2.5x			

Model Number	Coaxial	Magnification	WD	Line Sensor	Area Sensor	
BTL30W-□	—	3.0x	110 mm	16K-5 μ m	151MP (3.76 μ m)	
BTL30WC2-□	○	3.0x				
BTL35Y-□	—	3.5x		16K-3.5 μ m		127MP (3.45 μ m)
BTL35YC2-□	○	3.5x				
BTL40YC2-□	○	4.0x		16K-5 μ m		
BTL50WC2-□	○	5.0x				