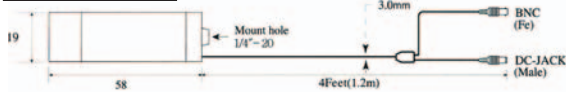


## VB193CH-W36 / VB19BH-W36



Dimensions (mm)



### Features

#### ELECTRONIC

- Extremely natural colour reproduction
- Outstanding low lux sensitivity of 0.3Lux/F2.0
- High resolution 1/3" Super Sensitive Sharp 480 TVL
- Rolling free picture (with fixed iris lens and without linelock)
- Extremely low power consumption
- Wide dynamic working power tolerance
- Surge voltage input protection built-in
- Reverse polarity input protection built-in

#### MECHANICAL

- Waterproof (IP68)
- 1/3" Super-mini colour bullet camera
- Lens exchangeable
- 3.6 / 4.3 / 6 / 8 / 12 / 16 mm
- Very easy to install

#### OPTIONAL

- High sensitive external audio
- 940-850 nm IR sensitive
- Reverse Image

### Specification

Class	19 mm dia. Mono-focal	19 mm dia. Mono-focal
Sharp 480 TVL	VB193CH-W36	--
Sharp 600 TVL	--	VB19BH-W36
Image Format	1/3" CCD, Sharp-STD res 1/3" CCD, Sharp-High res	1/3" CCD, Sharp-High res
Effective Pixels	Standard resolution = NTSC : 512(H)X492(V) PAL : 500(H)X582(V) High resolution = NTSC : 768(H)X494(V) PAL : 752(H)X582(V)	
H. Resolution	CH : 480 TVL	BH : 600 TVL
Min. Illumination	CH : 0.8 Lux / F2.0	N/A
Power Source	12 VDC / 80 mA or less	12 VDC / 100 mA or less
IP Rating	IP68	
Synchronizing System	Internal	
Scanning System	NTSC : 525 Lines PAL : 625 Lines 2:1 Interlaced	EIA : 525 Lines CCIR : 625 Lines 2:1 Interlaced
Video Output	1.0 Vp-p Composite 75 Ohms	
S/N Ratio	More than 50 dB (AGC Off)	
Shutter Speed	NTSC:1/60~1/100,000 sec PAL:1/50~1/100,000 sec	EIA:1/60~1/100,000 sec CCIR:1/50~1/100,000 sec
Gamma Correction	Gamma = 0.45	
White Balance	2100°K ~ 9100°K Auto	N/A
Gain Control	4 dB ~ 30 dB Auto	
Smear Effect	0.005%	
MTBF	80,000 hours	
Lens	Standard	f = 4.3 mm (78°)
	Option	3.6 / 4.3 / 6.0 / 8.0 / 12 / 16 mm
Operating Temperature	14°F ~ 122°F (-10° C ~ +50° C)	
Humidity	Within 90% RH	
Output Terminal	4 Feet DIY cable with BNC-Female for Video, 2.1 mm DC-Jack for Power	
Measurements (mm)	19 mm (Dia) X 72 mm (L)	19 mm (Dia) X 56 mm (L)
Weight (Approx.g)	140	130
Optional True Features	External Audio	O



**BOCK OPTRONICS INC.**  
14 Steinway Blvd., Unit 7  
Toronto, Ontario M9W 6M6, Canada  
Tel: 416-674-2804 Fax: (416) 674-1827

**Quebec & Eastern Canada**  
Tel: 450-662-9889  
Fax: 450-662-9063

**Website:** [www.bockoptronics.ca](http://www.bockoptronics.ca)  
**E-mail:** [sales@bockoptronics.ca](mailto:sales@bockoptronics.ca)