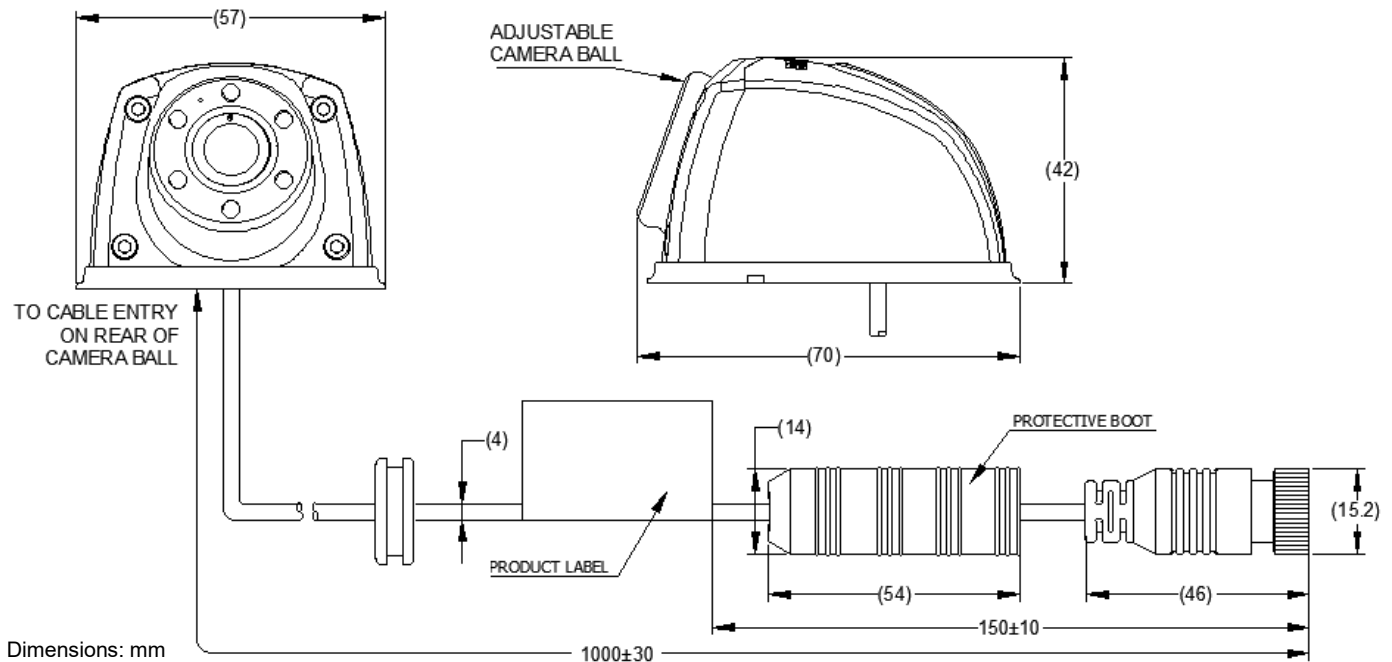


Product Specification



Brigade Model Number:
Part Number:

VBV-300C	VBV-301C	VBV-320C	VBV-321C
5211A	5213A	5215A	5217A



Environmental Specifications:

- | | |
|--------------------------|----------------------------------|
| • Shock Rating: | 51 G (All 3 Axis - 6 directions) |
| • Vibration Rating: | 8.5 G (All 3 Axis - 32hrs each) |
| • Camera IP Rating: | IP68, IP69K |
| • Connector IP Rating: | IP67 |
| • Operating Temperature: | -30° to +70°C |
| • Storage Temperature: | -40° to +85°C |

Approved Standards:

- E-Mark - (ECE Regulation 10 Rev. 05)
(ECE Regulation 46 Rev. 06 with VBV-770M / BE-870LM)
- For VBV-300C / VBV-320C only
- CE - (EN 61000-6-2:2005 + AC:2005) /
(EN 61000-6-3:2007 + A1:2011 + AC:2012)
- FCC - (47 CFR Part 15 Subpart B)
- Industry Canada - (ICES-003:2016, Issue 6)
- Elements of ISO 16750
- Ingress Protection - (ISO 20653:2013)
- WEEE
- RoHS

Technical Specifications:

- | | |
|------------------------|------------------------------|
| • Operating Voltage: | 12 Vdc ± 2Vdc |
| • Current Consumption: | ≤100mA @ 14Vdc |
| • Power Consumption: | ≤1.4 Watts |
| • Imaging Device: | CMOS - 1/3" PixelPlus |
| • TV System: | |
| VBV-300C / VBV-320C: | PAL |
| VBV-301C / VBV-321C: | NTSC |
| • Picture Elements: | 968(H) x 488(V) |
| • Visual Resolution: | 450 TV Lines |
| • Lens Focal Length: | 2.3mm |
| • Viewing Angle: | 109°(H), 81°(V), 139°(D) ±5° |
| • Assembled Weight: | 160 Grams |

Technical Specifications Continued...

- | | |
|-----------------------|-------------------------------------|
| • Video Output: | Approx. 1.1 Vp-p / 75Ω |
| • Length of Cable: | 1000 ± 30mm |
| • Overall Dimensions: | 57mm(W) x 70mm(D)
x 42mm(H) |
| • Housing Material: | Aluminium Alloy |
| • Camera View: | |
| VBV-300C / VBV-301C: | Fixed - Mirror |
| VBV-320C / VBV-321C: | Fixed - Normal |
| • Finish: | Black |
| • Ball adjustment: | Up 26°; Down 4°;
Left / Right 4° |
| • Ball rotation: | ±180° |

Features:

- Fully adjustable ball position
- Night Vision via 5 x High Power Infrared LEDs enabled by integrated Day / Night sensor
- Integrated Microphone
- High Quality PixelPlus CMOS
- Back Light Compensation
- Automatic White Balance
- Fixed IRIS
- VBV Type Female Connector

Package Contents:

- | | |
|------------------------|----------------------|
| • 1 x VBV-30XC/32XC-C | - Camera |
| • 1 x VBV-3XXC-RH | - Rear Housing |
| • 1 x VBV-3XXC-FH | - Front Housing |
| • 1 x VBV-3XXC-RM | - Rubber Mat |
| • 1 x VBV-3XXC-FIX | - Fixing Pack |
| • 1 x VBV-3X0C/3X1C-IG | - Installation Guide |