

5 Megapixel Bullet Network Camera

OB-500Ap Series

HDTV 1080p/720p • 5M/4M/3M/2M Resolution Supported



- Most Intelligent and Professional 5M Outdoor Bullet Camera
- HDTV Quality (Full HD 1080p @ 30fps Streaming)
- **Intelligent Multi-Profile Sensor Management**® for Different Environments
- Removable IR-cut Filter /Auto Light Sensor for Day and Night
- IP67 Outdoor Enclosure Built-in Fan (-40°C ~ 60°C) and Heater
- **SmartFocus**® to Ease the Zoom and Focus Adjustment Remotely (*)
*The feature is for OB-500Ap/OB-500ApV5 *
- **FocusEasy**™ to Ease the Focus Adjustment via the Buzzer for notification (*)
*The feature is for OB-502ApV5 *
- Varifocal Lens with FocusEasy™ (*)
*The feature is for OB-502ApV5 *
- Built-in 3G module and SIM slot for Wireless Connectivity (*)
The feature is for GOB-500Ap/GOB-500ApV5
- Built-in IR Illuminators, effective up to 25 Meters
- Two-way Audio/Built-in Micro SD/SDHC Memory Card Slot for Local Storage
- 1 DI/DO for External Alarm and Sensor Device
- PoE(802.3at) / PoE(802.3af)/ DC12V(*)/ AC24V(*) Supported

(*V5 only)



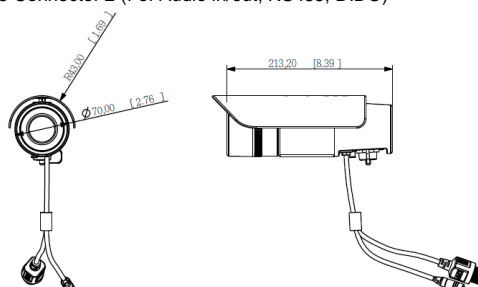
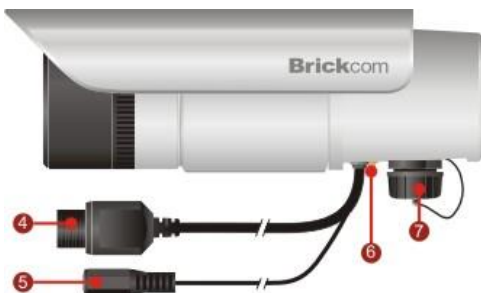
ONVIF

*GOB-500Ap *WOB-500Ap
GOB-500ApV5 WOB-500ApV5

- 1 IR LED
- 2 LENS
- 3 Light Sensor
- 4 RJ45 Connector 1 (For Ethernet, 802.3at PoE and 802.3af PoE)
- 5 DC12V / AC24V Connector
- 6 Antenna Connector
- 7 RJ45 Connector 2 (For Audio in/out, RS485, DIDO)

Photo Indication & Dimension Diagram

v5



Camera

Models **OB-500Ap/OB-500Ap V5:** 5M, Motorized Lens
OB-502Ap/OB-502Ap V5: 5M, Vari-Focal Lens
WOB-500Ap/WOB-500Ap V5: 5M, Motorized Lens, Wireless
GOB-500Ap/GOB-500Ap V5: 5M, Motorized Lens, 3G

Hardware System CPU: 533 MHz
 Flash: 32M
 RAM: 256M DDR

Image Sensor Sensor Type : 1/2.5" CMOS 5 Megapixel Sensor
 Sensor Resolution : 2592 x 1944 pixel

Lens Lens Type: Board Lens
 Iris: F1.4
OB/WOB/GOB-500Ap:
 Focal Length: f=3~10.5mm
 View Angle: (H): 95°~33°/ (V): 70°~25°/
 (D): 120°~41°
OB-502Ap / OB-502Ap V5 & OB/WOB/GOB-500Ap V5:
 Focal Length: f=3.3~10.5mm
 Iris: F1.4
 View Angle: (H): 90°~33°/ (V): 65°~25°/
 (D): 115°~41°

Local Storage Built-in Micro SD/SDHC/SDXC Memory Card Slot (Max. 64G)

Day & Night ICR Triggered by Light sensor, Scheduling, Digital Input

IR Illuminators Built -In IR Illuminators,
OB/WOB/GOB-500Ap & OB-502Ap:
 effective up to 15 meters
 IR LED: 24pcs
OB/WOB/GOB-500Ap V5 & OB-502Ap V5:
 effective up to 25 meters
 IR LED: 20pcs

Minimum Illumination **OB/WOB/GOB-500Ap:**
 0 Lux(IR ON,B/W)
 0.01 Lux(IR OFF,B/W)
 0.008Lux(F1.4,Color)
OB -502Ap/ OB-502Ap V5 & OB/WOB/GOB-500Ap V5:
 0 Lux(IR ON,B/W)
 0.02 Lux(IR OFF,B/W)
 0.01 Lux(F1.4,Color/)

Video

Compression Streaming H.264 / MPEG4 / MJPEG
 Simultaneous multiple streams

Video Setting Multi-Profile Image Management:
 Day/ Night/ Sunset/ User 1/ User 2
 Auto Exposure/ Gain/ White Balance Control
 Manual Exposure Control: 1/20000~1/5s
 Manual Gain Control: 1X ~ 32X
 Manual White Balance Control:2000K~7000K

S/N Ratio 38.1 dB

Image Resolution **5M :** 2592x1944 @ 10fps
 (5M supports MJPEG only)
4M : 2304x1728 @ 15fps
3M : 2048x1536 @ 18fps
2M (Full HD): 1920x1080 @ 30fps
1M (HDTV): 1280x720 @ 30fps

Events and Alarm Management

Events Motion Detection/ Schedule/ Audio Detection/
 Digital Input/ Temperature Alarm(*)/ Auto Focus
 Shift for Day & Night(**)
 *OB-500Ap V5/OB-502Ap V5 Only
 **OB-500Ap V5 Only

Alarm Stream/Snapshot to FTP/Email/Samba/SD-Card
 HTTP/Email Notification/ Digital Output

Audio

Audio Streaming 2-way Audio Support

Audio Compression G.711, AMR (8 kHz, Mono, PCM)

Audio Input/ Output Line input (Unbalanced, 1.4 Vp-p, 1 Vrms)
 / Line output

General

Communication Ethernet : one 10/100Mbps RJ-45
 IEEE 802.11a/b/g/n compliance
WOB-500Ap/WOB-500Ap V5
 HSUPA/UMTS 850/1900/2100
GOB-500Ap/GOB-500Ap V5
 Supported Protocols : TCP/IP, UDP, ICMP,
 DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP,
 Samba, PPPoE, UPnP, RTP, RTSP, RTCP, IPv6

Power Input DC12V 1A / 802.3af PoE
 802.3at PoE/ DC48V 0.8A
 AC 24V

Power Input/ Temperature/ Environment Operating Temperature:
 DC12V 1A / 802.3af PoE:
 -20°C ~ 60°C (-4°F ~140°F)
 802.3at PoE/ DC48V 0.8A:
 (build in fan and heater):
 -40°C ~ 60°C (-40°F ~140°F)
 Operating Humidity: 10% ~ 80%

Max. Power Consumption **OB-500Ap/WOB-500Ap/GOB-500Ap & OB-500Ap V5/WOB-500Ap V5/GOB-500Ap V5**
 9 Watts (DC12V 1A / 802.3af)
 11 Watts (DC48V 0.8A/PoE 802.3at)

OB-502Ap & OB-502Ap V5
 7 Watts (DC12V 1A / 802.3af)
 9 Watts (DC48V 0.8A/PoE 802.3at)

Dimension 70(D) * 166(H) mm

Weight **OB-500Ap/OB-502Ap & OB-500Ap V5/OB-502Ap V5**
 Net: 1100 g/2.43lb
W/GOB-500Ap & W/GOB-500Ap V5
 Net: 1150 g/2.54lb

Housing Weather-proof (IP67)

Certification FCC, CE

Viewing System Requirements OS: Microsoft Windows 7/Vista/XP/2000/7
 Browser: Mozilla Firefox, Internet Explorer 6/7 or above, Safari, Google Chrome
 Cell Phone: 3GPP player
 Real Player: 10.5 or above
 Quick Time: 6.6 or above
 VLC

Warranty Limited 2-year warranty

| OB-500A Series | OB-500Ap | WOB-500Ap | GOB-500Ap | OB-502Ap |
|--|--|----------------------------------|---|-----------------|
| Lens Type | Motorized-Len (SmartFocus®) | Motorized-Lens (SmartFocus®) | Motorized-Lens (SmartFocus®) | Vari-Focal-Lens |
| Wireless (11a/b/g/n dual band WiFi) | - | ✓ | - | - |
| 3G/ 4G(WiMAX/LTE) | - | - | ✓ | - |
| Operating Temperature; Max. Power Consumption | -20°C ~ 60°C ; 10 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C; 22 Watts(DC48V 0.8A/PoE 802.3at) | | -20°C ~ 60°C; 8 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C;20 Watts(DC48V 0.8A/PoE 802.3at) | |

| OB-500A Series | OB-500Ap V5 | WOB-500Ap V5 | GOB-500Ap V5 | OB-502Ap V5 |
|--|--|----------------------------------|---|----------------------------------|
| Lens Type | Motorized-Len (SmartFocus®) | Motorized-Lens (SmartFocus®) | Motorized-Lens (SmartFocus®) | Vari-Focal-Lens (FocusEasy™) |
| Wireless (11a/b/g/n dual band WiFi) | - | ✓ | - | - |
| 3G/ 4G(WiMAX/LTE) | - | - | ✓ | - |
| Operating Temperature; Max. Power Consumption | -20°C ~ 60°C ; 10 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C; 22 Watts(DC48V 0.8A/PoE 802.3at) | | -20°C ~ 60°C; 8 Watts (DC12V 1A / 802.3af) -40°C ~ 60°C;20 Watts(DC48V 0.8A/PoE 802.3at) | |

Work Best With

Camera Accessories Options



CI-812
Camera Bracket



GEM04-222008A
Wi-Fi Dual Band Omni Antenna



GEM07-15072A
3G Antenna

Network Equipment Options



GEM04-222060
Wi-Fi Dual Band Antenna



POE30U
High Power PoE Injector