

5 Megapixel Bullet Network Camera

OB-500Ap Series

HDTV 1080p/720p • 5M/4M/3M/2M/1.3M 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

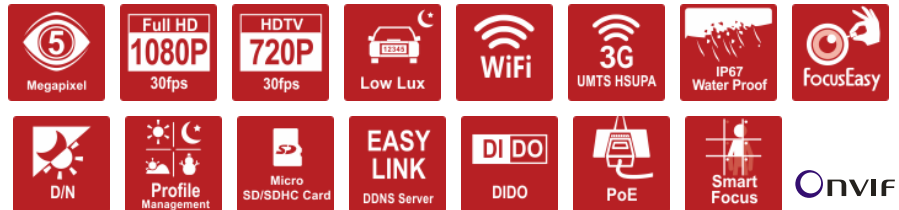
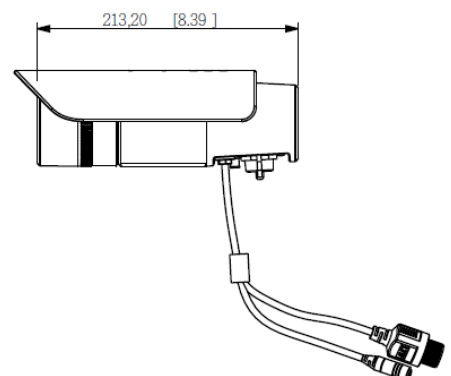
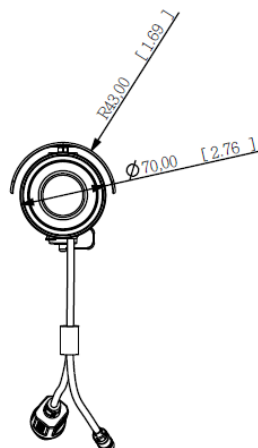


Photo Indication & Dimension Diagram

v5



- 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)



| 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