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5 Megapixel Day & Night Vandal Dome Network Camera
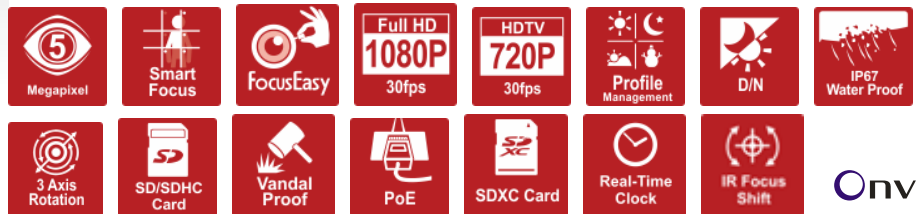
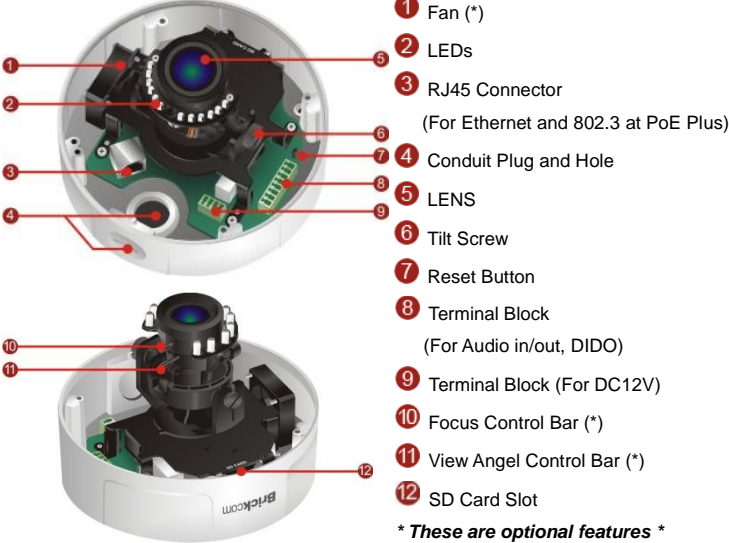| VD-500A Series	HDTV 1080p/720p ● 5M/4M/3M/2M/1.3M Resolution Supported

- 5 Megapixel High Resolution Outdoor Vandal Dome Camera
- **SmartFocus**® to Ease the Zoom and Focus Adjustment Remotely (*)
  The feature is for VD-500Ap/VD-500ApV5
- **FocusEasy™** to Ease the Focus Adjustment via the Buzzer for notification (*)
  *The feature is for VD-502ApV5 *
- HDTV Quality (Full HD 1080p @ 30fps Streaming)
- Motorized Lens /Vari-Focal Lens for Variable Needs
- MPEG-4, MJPEG and H.264 Triple Codec Compression
- **Intelligent Multi-Profile Sensor Management**® for Different Environments
- Removable IR-cut Filter /Auto Light Sensor for Day and Night
- 1 DI/DO for External Alarm and Sensor Device
- 3 Axis design
- TV out
- Two-way Audio/Built-in SD/SDHC/SDXC Memory Card Slot for Local Storage
- IK10 Vandal Proof and IP67 Weather Proof Outdoor Enclosure
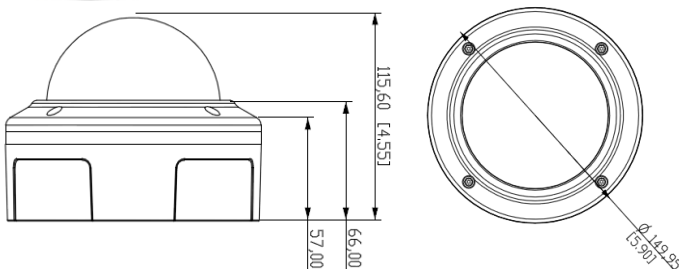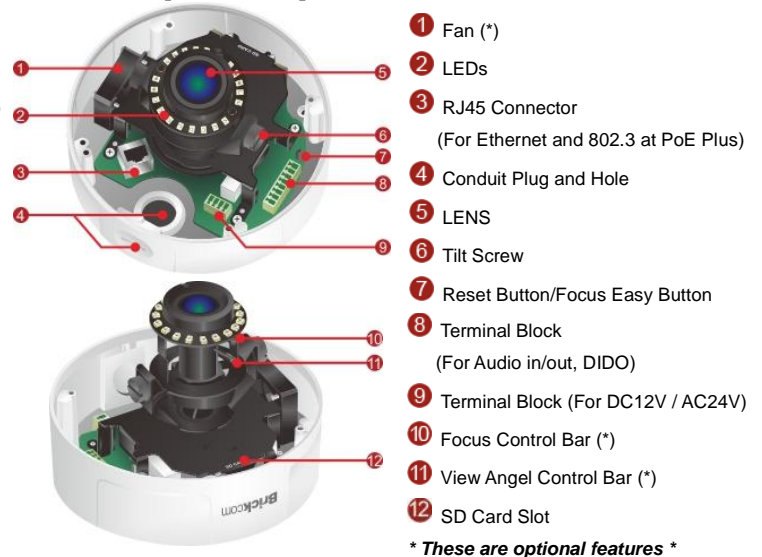- Power over Ethernet/DC 12V/AC 24V support

Icons: 5 Megapixel | Smart Focus | FocusEasy | Full HD 1080P 30fps | HDTV 720P 30fps | Profile Management | D/N | IP67 Water Proof | 3 Axis Rotation | SD/SDHC Card | Vandal Proof | PoE | SDXC Card | Real-Time Clock | IR Focus Shift | ONVIF

Photo Indication & Dimension Diagram

VD-500Ap/VD-502Ap

❶ Fan (*)
❷ LEDs
❸ RJ45 Connector
   (For Ethernet and 802.3 at PoE Plus)
❹ Conduit Plug and Hole
❺ LENS
❻ Tilt Screw
❼ Reset Button
❽ Terminal Block
   (For Audio in/out, DIDO)
❾ Terminal Block (For DC12V)
❿ Focus Control Bar (*)
⓫ View Angel Control Bar (*)
⓬ SD Card Slot

These are optional features

VD-500Ap V5/VD-502Ap V5

❶ Fan (*)
❷ LEDs
❸ RJ45 Connector
   (For Ethernet and 802.3 at PoE Plus)
❹ Conduit Plug and Hole
❺ LENS
❻ Tilt Screw
❼ Reset Button/Focus Easy Button
❽ Terminal Block
   (For Audio in/out, DIDO)
❾ Terminal Block (For DC12V / AC24V)
❿ Focus Control Bar (*)
⓫ View Angel Control Bar (*)
⓬ SD Card Slot

These are optional features

115.60 [4.55]
57.00
66.00
Ø 149.95 [5.90]

V1.2

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Expert in Wireless IP Surveillance

Camera

Models	**VD-500Ap/VD-500Ap V5** 5M, Motorized Lens, SmartFocus® **VD-502Ap** 5M, Vari-Focal Lens, **VD-502Ap V5** 5M, Vari-Focal Lens, FocusEasy™
Hardware System	CPU: 533 MHz Flash: 32M RAM: 256M DDR
Image Sensor	Sensor Type : 1/2.5" CMOS Sensor Sensor Resolution : 2592 x 1944 pixel
Minimum Illumination	**VD-500Ap** 0 lux (IR ON, B/W) 0.008 lux (IR OFF, B/W) 0.01 lux (F1.4, Color) **VD-502Ap/VD-500Ap V5/VD-502Ap V5** 0 lux (IR ON, B/W) 0.01lux (IR OFF, B/W) 0.02 lux (F1.4, Color)
IR Illuminators	**VD-500Ap/VD-502Ap** Built -in IR Illuminators, effective up to 10 meters IR LED: 12pcs IR wavelength: 850nm **VD-500Ap V5/VD-502Ap V5** Built -in IR Illuminators, effective up to 25 meters IR LED: 20pcs IR wavelength: 850nm
Lens	Lens Type: Board Lens F No.: 1.4 **VD-500Ap** Focal Length: f= 3mm(W)~10.5mm(T) View Angle: (H): 95°~33°/ (V): 70°~25°/ (D):120°~41° **VD-502Ap/VD-500Ap V5/VD-502Ap V5** Focal Length: f= 3.3mm(W)~10.5mm(T) View Angle: (H): 90°~33°/ (V): 65°~25°/ (D):115°~41°
Day & Night ICR	Triggered by Light sensor, Scheduling, Digital Input
Local Storage	Built-in SD/SDHC/SDXC Max.64G Memory Card Slot

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 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 :** 1280x720 @ 30fps

Events and Alarm Management

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

General

Communication	Ethernet : one 10/100Mbps RJ-45 Supported Protocols : TCP/IP, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, Samba, PPPoE, UPnP, RTP, RTSP, RTCP, IPv6
Power Input/ Operating Temperature	**VD-500Ap/VD-502Ap** 802.3 af POE/ DC12V 1A -20°C ~ 60°C (-4°F ~140°F) 802.3at PoE Plus(build in fan and heater): -40°C ~ 60°C (-40°F ~140°F) **VD-500Ap V5/VD-502Ap V5** 802.3 af POE/ DC12V 1A /AC 24V: -20°C ~ 60°C (-4°F ~140°F) 802.3at PoE Plus(build in fan and heater): -40°C ~ 60°C (-40°F ~140°F)
Max. Power Consumption	DC12V 1A **VD-500Ap:**10 Watts / **VD-502Ap:** 8 Watts DC12V 1.5A/AC 24V **VD-500Ap V5:**12.5 Watts DC12V 1A/AC 24V **VD-502Ap V5:**10.5 Watts 802.3 af POE **VD-500Ap:** 12.5 Watts / **VD-502Ap:** 10 Watts **VD-500Ap V5:** 15 Watts / **VD-502Ap V5:** 12.5 Watts 802.3 at POE Plus **VD-500Ap:** 25 Watts / **VD-502Ap:** 23 Watts **VD-500Ap V5:** 27.5 Watts / **VD-502Ap V5:** 25.5 Watts
Environment	Water Proof: IP67 Operating Humidity : 10% ~ 80%
Dimension	113.75 (D) mm X 144.25(H) mm
Weight	860g/1.90lb
Housing	Weather-proof (IP67) Vandal-proof (IK10)
Certification	FCC, CE, IK10
Viewing System Requirements	OS: Microsoft Windows 8/7/Vista/XP/2000 Browser: Mozilla Firefox, Internet Explorer 7/8 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

Work Best With

Camera Accessories Options

L-WM-01
Camera Bracket

POE30U *
High Power PoE Injector

WPC *
Waterproof Connector

Network Equipment Options

PS-588I
8-port 10/100M PoE Fast Ethernet Switch

PS-7242IL-AF
24-port 10/100M PoE Web Smart Ethernet Switch

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V1.2