Brickcom

N-Series Superior Night Vision
2 Megapixel Vandal Dome Network Camera

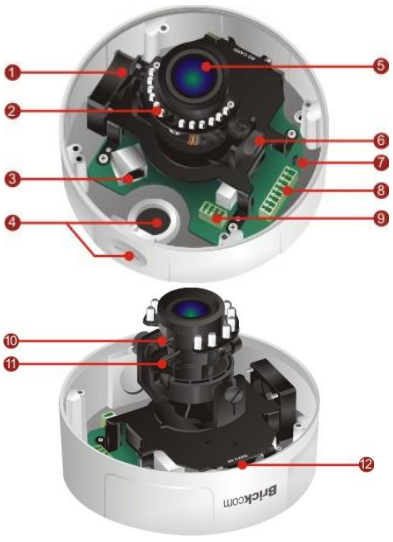
VD-200N Series

HDTV 1080p/720p ●2M/1.3M Resolution Supported

- N-Series Sony Exmor ™ 2M Vandal Dome Camera
- **SmartFocus**® to Ease the Zoom and Focus Adjustment Remotely (*)
  The feature is for VD-200Np/VD-200NpV5
- **FocusEasy™** to Ease the Focus Adjustment via the Buzzer for notification (*)
  **The feature is for VD-202NpV5 **
- Support HDTV Video Quality (Full HD 1080p @ 30fps Streaming)
- Motorized Lens /Vari-Focal Lens for Variable Needs
- Brickcom **WDR Enhancement**® technology inside
- 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 Memory Card Slot for Local Storage
- IK10 Vandal Proof and IP67 Weather Proof Outdoor Enclosure
- Power over Ethernet/DC12V/AC 24V support

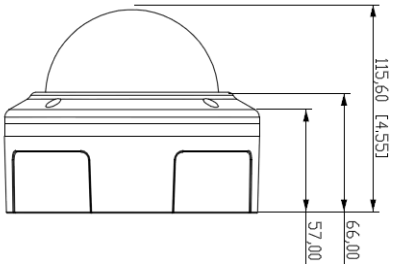
Photo Indication & Dimension Diagram

VD-200Np/VD-202Np

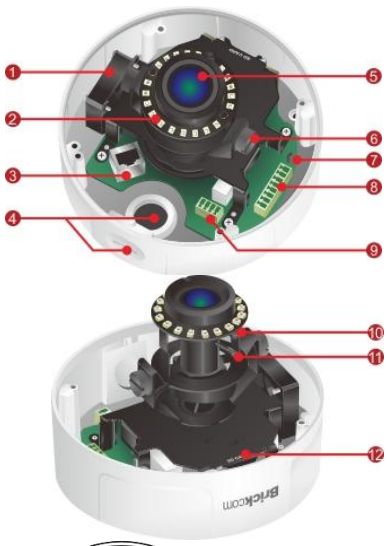


1. Fan (*)
2. LEDs
3. RJ45 Connector
   (For Ethernet and 802.3 at PoE Plus)
4. Conduit Plug and Hole
5. LENS
6. Tilt Screw
7. Reset Button
8. Terminal Block
   (For Audio in/out, DIDO)
9. Terminal Block (For DC12V 1A)
10. Focus Control Bar (*)
11. View Angel Control Bar (*)
12. SD Card Slot

**** These are optional features ****

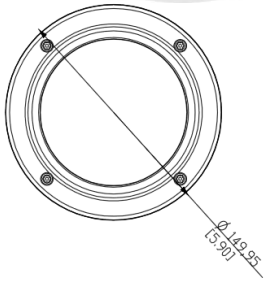


VD-200Np V5/VD-202Np V5



1. Fan (*)
2. LEDs
3. RJ45 Connector
   (For Ethernet and 802.3 at PoE Plus)
4. Conduit Plug and Hole
5. LENS
6. Tilt Screw
7. Reset Button/FocusEasy Button
8. Terminal Block
   (For Audio in/out, DIDO)
9. Terminal Block (For DC12V / AC24V)
10. Focus Control Bar (*)
11. View Angel Control Bar (*)
12. SD Card Slot

**** These are optional features ****



V1.3

Camera

Models	**VD-200Np/ VD-200Np V5** 2M, Motorized Lens, Smart Focus **VD-202Np** 2M, Vari-Focal Lens **VD-202Np V5** 2M, Vari-Focal Lens, FocusEasy
Hardware System	CPU: 533 MHz Flash: 32M RAM: 256M DDR
Image Sensor	Sensor Type : 1/2.8" Sony Exmor ™ CMOS Sensor Sensor Resolution : 2048x1536 pixel
Minimum Illumination	**VD-200Np/ VD-200Np V5/ VD-202Np V5** 0 lux (IR ON, B/W) 0.008 lux (IR OFF, B/W) 0.01 lux (F1.4, Color) **VD-202Np** 0 lux (IR ON, B/W) 0.02 lux (IR OFF, B/W) 0.01 lux (F1.4, Color)
IR Illuminators	**VD-200Np/ VD-202Np** Built -in IR Illuminators, effective up to 15 meters IR LED: 12pcs IR wavelength: 850nm **VD-200Np V5/ VD-202Np 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 Focal Length: **VD-200Np/VD-200Np V5/VD-202Np V5** f= 3mm(W)~10.5mm(T) **VD-202Np** f= 3.3mm(W)~10.5mm(T) View Angle: **VD-200Np/VD-200Np V5/VD-202Np V5** (H): 90°~30°/ (V): 49°~17°/ (D):103°~34° **VD-202Np** (H): 72°~28°/ (V): 40°~16°/ (D):83°~32°
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: 1/10000~1/5s Manual Gain Control: 1X ~ 32X Manual White Balance Control: 2000K~7000K
S/N Ratio	>50 dB
Image Resolution	**2M (Full HD):** 1920x1080 @ 30fps **1.3M:**1280x1024@25fps

Events and Alarm Management

Events	Motion Detection/ Schedule/ Audio Detection/ Digital Input/ Temperature Alarm(*)/ Auto Focus Shift for Day & Night(**) **VD-200Np V5 and VD-202Np V5 only* ***VD-200Np 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-200Np/VD-202Np** 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-200Np V5/VD-202Np 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-200Np:**10 Watts / **VD-202Np:** 8 Watts DC12V 1A/AC 24V **VD-202Np V5:**10.5 Watts DC12V 1.5A/AC 24V **VD-200Np V5:**12.5 Watts 802.3 af POE **VD-200Np:**12.5 Watts/**VD-200Np V5:**15 Watts **VD-202Np:** 10 Watts/ **VD-202Np V5:**12.5 Watts 802.3at PoE Plus **VD-200Np:** 25 Watts/ **VD-200Np V5:**27.5 Watts **VD-202Np:**23 Watts/ **VD-202Np V5:**25 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

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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