BOSCH
Invented for life

WZ45N Integrated Day/Night IR Dome



- **Robust vandal-resistant construction**
- **User-friendly design for easily-adjustable camera settings**
- **520 TVL 1/3 in CCD with Mechanical Filter Technology**
- **18 m (60 ft) of exceptional night vision performance**
- **All-environment IP66 housing, conduit compatible**

The WZ45N Integrated Day/Night Dome camera is a vandal-resistant, user-friendly surface mount camera designed for effective 24/7 surveillance. Equipped with a 520 TVL mechanical filter CCD and 18 high-efficiency LEDs, the WZ45N delivers vivid daytime color and 18 m (60 ft) of active-infrared night vision.

All-weather ready and rich with practical enhancements, the WZ45N is ideal for a wide variety of security applications including schools, commercial property and correctional facilities.

Functions

Evenly-distributed night vision

- 18 m (60 ft) exceptional night vision
- 30 m (100 ft) infrared range
- Even distribution IR for optimal image capture

Mechanical Filter for outstanding 24/7 performance

- Enables exceptional image capture in day and night conditions
- Sensitive to visible light in day conditions, producing vivid daytime color
- Switches to infrared in night time conditions for irrefutable image capture
- Photocell controlled for maximum energy efficiency

User-friendly design

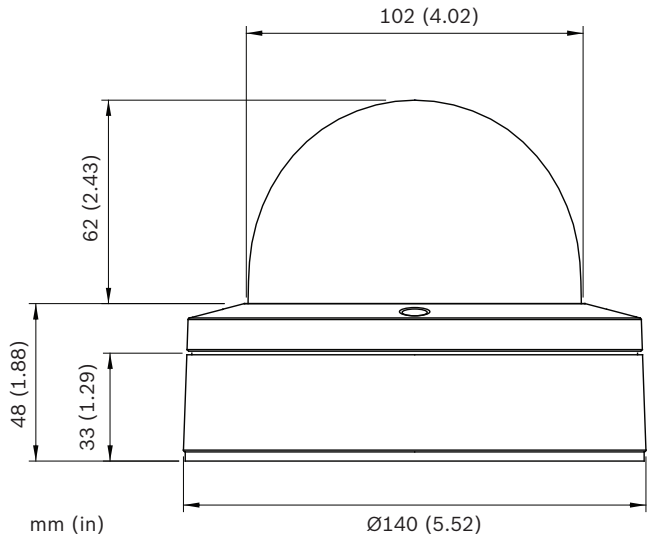
- Extended thumb screws for easy focus and zoom adjustment
- Easily accessible DIP switches for convenient control of gain, white balance, exposure and backlight
- Video patch lead enables local image verification on a portable monitor
- Pan-Tilt-Twist (3-axis) gimbal enables installers to correct off-center images for properly centered images even along walls
- Conduit compatible for easy installations

Robust aluminum construction

- Vandal-resistant performance
- Withstands even the most brutal attacks
- IP66-certified for resistance to harsh outdoor elements

Installation/Configuration Notes

Dimensions



Technical Specifications

Video

CCD Camera	1/3 in CCD with Mechanical Filter Technology
Filtering	Mechanical Filter Technology
Resolution	High resolution 520 TVL
Night Time Sensitivity	0 lux (infrared on)
Day/Night Switching	Photocell-controlled, automatic
Electronics Iris	1/50 to 1/100,000 s (PAL), 1/60 to 1/100,000 s(NTSC)
Output Signal	1 VPP composite video, 75 ohm
Output connection	BNC connector or UTP
S/N Ratio	Greater than 48 dB
Gamma	0.45
Lens	3 to 12 mm varifocal auto-iris
LEDs	High efficiency 18-LED infrared array
Wavelength	850 nm

Mechanical

Housing	Surface mount dome, vandal resistant
Gimbals	3D gimbal for easy installation
Construction	Robust aluminum
Finish	Powder coat silver
Conduit Compatible	Yes

Electrical

Power Consumption	4.5 W max
Voltage	12 VDC or 24 VAC/DC
Power Supply	Not included

Environmental

Operational Temp.	-30 °C to +55 °C (-22 °F to 131 °F)
Environment	IP66 certified

Ordering Information

WZ45NV312-0-N Integrated Day/ Night IR Dome Camera 520 TVL Integrated Day/Night IR Dome, Varifocal Auto-Iris 3 to 12 mm, 12/24 VAC/DC, NTSC	**WZ45NV312-0-N**
WZ45NV312-0-P Integrated Day/ Night IR Dome Camera 520 TVL Integrated Day/Night IR Dome, Varifocal Auto-Iris 3 to 12 mm, 12/24 VAC/DC, PAL	**WZ45NV312-0-P**

Accessories

PSU-230-24 Power Supply Power Supply, 230 VAC / 24 VAC, 50 W	**PSU230-24**
EXPS.008 VAC Power Supply Power supply 120 VAC/ 24 VAC 1500 mA	**EXPS.008**

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific: **Represented by**
Robert Bosch (SEA) Pte Ltd, Security Systems
38C Jalan Pemimpin
Singapore 577180
Phone: +65 6319 3453
Fax: +65 6319 3499
apr.securitysystems@bosch.com
www.boschsecurity.com

© Bosch Security Systems Inc. 2009 | Data subject to change without notice
T4886223627 | Cur: en-US, V11, 30 Mar 2009