Armored WDR Color EGG Dome Camera

- Powerful WDR (Wide Dynamic Range) Performance
- 550TVL Horizontal Resolution
- True Day & Night (ICR) W/ Built-in 22 Units IR LEDs
- Vari-Focal Lens (f2.6 ~ 11.0mm)
- Vandal-Proof & Weather-Proof (IP66)
- DSS Low Light Technology
- Privacy Masking / Motion Detection / Mirror
- Multi-Language OSD Menu
- Monitor Output Terminal for Easy Servicing
- 3-Axis Gimbal Bracket
- Supports DC 12V / AC 24V Power Supply

Key Features

- **Sony 1/3"** Vertical Double−Density Interline CCD
- **Powerful WDR (Wide Dynamic Range) Performance**
- **550TVL Horizontal Resolution**
- **Vandal-Proof & Weather-Proof (IP66)**
- **True Day & Night (ICR) W Built-in 22 IR LEDs**
- **Vari-Focal Lens (f2.6 ~ 11.0mm)**
- **Intensified DSS accumulation field number up to 500x**
- **On Screen Display (OSD) Menu**
  (OSD Languages: English, Spanish, German, Russian, Chinese)
- **Privacy Masking / Motion Detection / Mirror**
- **Adjustable Contrast & Sharpness**
- **Advanced Back Light Compensation (BLC)**
- **Automatic Gain Control (AGC)**
- **Automatic White Balance (AWB)**
- **Fast Shutter Speed (1/60 ~ 1/100,000 sec)**
- **Monitor Output Terminal for Easy Servicing**
- **3-Axis Gimbal Bracket**
- **Surface Mounting Bracket Included**
- **Cooling Fan and Heater for High/Low Temperature Environment**
- **Supports DC 12V / AC 24V Power Supply**
- **Wall-Mount Bracket Available** (Sold Separately)

* Specifications & Features are subject to change without prior notice.

WDR (Wide Dynamic Range)

To Get Detail Information from Dark and Bright combination Image Without Any saturation, The WDR Technology is required. It combines bright areas with high shutter speed Exposure and Dark areas with low shutter speed exposure into one composite image
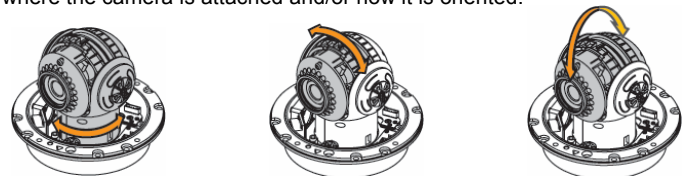
True Day & Night with ICR Mechanism

With the built-in dual filter system combination, this camera provides true color image at day time and real B/W image at night time. The removable IR Cut Filter is on to give true color image and off to increase the light sensitivity in day/night mode.

3 -Axis Rotating Mechanism

This camera is mounted on a 3-axis rotating platform, which allows an installer to easily adjust the field of view horizontally, vertically, and/or with a rotary movement. With this feature, you don't need to worry about where the camera is attached and/or how it is oriented.

KT&C America, Inc.

DSS Low Light Technology

Digital Slow Shutter (DSS) is a technology that enhances the low light performance of a camera, producing outstanding images in low light conditions, DSS slow the picture frame rate and increase the cameras sensitivity

Vandal-Proof Dome Housing

The die-casting aluminum dome housing and polycarbonate dome cover ensures the perfect camera durability and protects the camera from external shock.

IP66 Rating (Weather-Proof)

Meeting the standards of IP66, this dome will withstand dust and heavy seas. Rugged enough for any outdoor environment, yet cosmetically designed to fit in indoor environments.
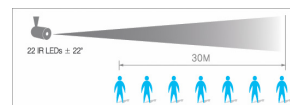
Convenient OSD Menu

Camera settings can be easily controlled or adjusted by using the built-in joystick to access the integrated On-Screen Display (OSD) menu. Multiple language options are available: English, Spanish, German, Russian, Chinese

Secondary Monitor Output Terminal

The built-in secondary monitor output terminal gives the convenience of on-the-spot adjustments of the angle and focus.

O Lux Min. Illumination with 22 IR LEDs

The KPC-VNW100NHV15 is equipped with Built-in High performance 22 units of IR LEDS that make the detected dark object extremely bright visual image in total darkness without any light. This camera can cover the reliable Video surveillance up to 100 Feet Long Distance
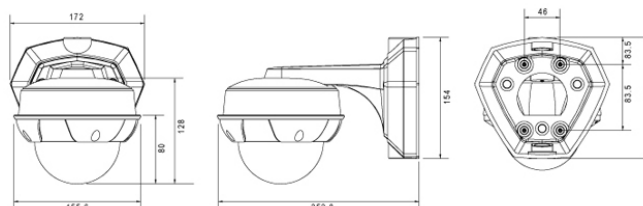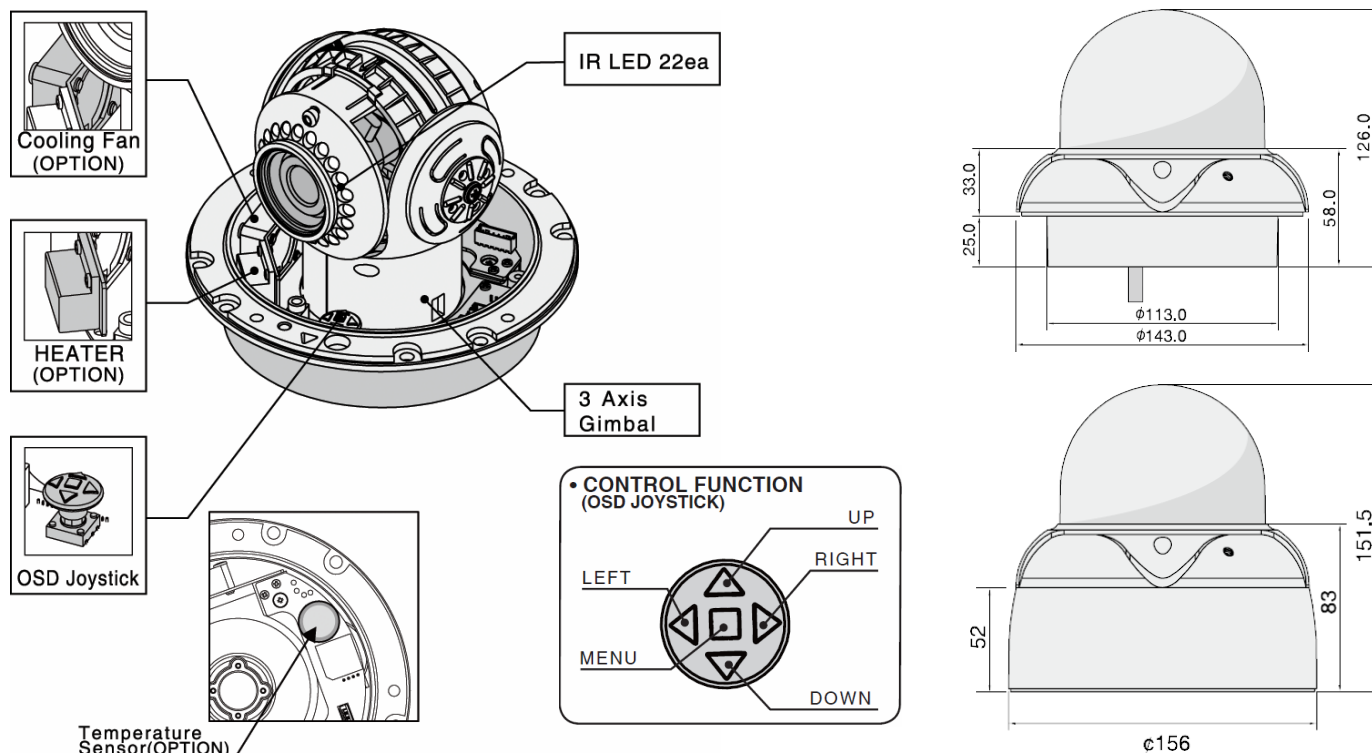
Wall-Mount Bracket Option Available

This rugged wall mount is built using a heavy duty die-cast aluminum body with a 1" NPT thread to support all our vandal domes. Attractively designed to install in any application. Bracket is sold separately.

KA-WM100

General Feature Diagram

Cooling Fan (OPTION)

HEATER (OPTION)

OSD Joystick

Temperature Sensor(OPTION)

IR LED 22ea

3 Axis Gimbal

• CONTROL FUNCTION (OSD JOYSTICK)

UP
RIGHT
LEFT
MENU
DOWN

126.0
33.0
25.0
58.0
φ113.0
φ143.0

151.5
52
83
¢156

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Part No.: KPC-VNW100NHV15

Technical Specification

Model	KPC-VNW100NHV15	KPC-VNW100PHV15
Signal System	NTSC	PAL
Image Sensor	1/3" Sony Vertical Double –Density Interline CCD	
Scanning System	2:1 Interlace	
Scanning Frequency (H)	15.734 KHz	15.625 KHZ
Scanning Frequency (V)	59.94 Hz	50 Hz
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Synchronization	Internal	
Horizontal Resolution	More than 550 TV Lines	
Lens Size	f2.6mm ~ 11.0mm Vari-Focal Lens	
S/N	More than 48dB (AGC Off)	
Min. Illumination	0 Lux (IR LED On)	
IR LED	22 IR LEDs, 850nmIIR Wavelength), $\pm22°$ (IR Half Angle), Up to 100Ft (IR Distance)	
Shutter Speed	1/60 ~ 1/100,000 sec	1/50 ~ 1/100,000 sec
Video Output Level	1Vp-p Composite (75Ω), Unbalanced	
Function	On-Screen Display (OSD)	Built-in
	WDR	Off / On / Auto (Level Adjustment)
	Digital Zoom Ratio	1.0x / 1.5x / 2.0x / 2.5x (WDR Off Mode)
	Digital Slow Shutter	1-500 Field
	Back Light Compensation (BLC)	On / Off (BLC Area & Ratio Adjustable)
	Auto Gain Control (AGC)	Low / Mid / High
	White Balance	ATW/ Push / Push Lock / User (R Gain, B Gain)
	Privacy Masking	On / Off (8 Zone)
	Mirror	On / Off
	Motion Detection	On / Off (Zone, Level Adjustable)
	Language Option	English / Spanish / German / Russian / Chinese
Day & Night	True Day & Night (ICR)	
IP Rating	IP66 (Weatherproof)	
Gamma	γ = 0.45	
Operating Temperature	-10 ˚C ~ 50 ˚C (14 ˚F ~ 122 ˚F)	
Storage Temperature	-20 ˚C ~ 60 ˚C (-4 ˚F ~ 140 ˚F)	
Humidity	Less than 80%RH	
Power Supply	DC12($\pm$10%),Max 870mA / AC24($\pm$10%),Max15.4W	
Dimensions	With Surface Mount	Dome (ø100mm), ø156 x 151.5mm (H) : Dome (ø3.937"), 5.906"(ø) x 5.964"(H)
	Without Surface Mount	Dome (ø100mm), ø143 x 126.0mm (H) : Dome (ø3.937"), 5.630"(ø) x 4.960"(H)

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