

**PRODUCT FEATURES**



**DS-2DP1636Z-D**  
360° Panoramic + 2MP  
36x PTZ Camera



**Panoramic Camera**

- 8 x 1/1.9" Progressive Scan CMOS, up to 2 × 4096 × 1800 resolution @ 30 fps
- Horizontal angle of view: 360°; Vertical angle of view: 78°
- Color:0.005 Lux @(F1.8,AGC ON); B/W:0.0005 Lux @(F1.8,AGC ON)

**PTZ Camera**

- Supports manual-tracking & auto-tracking
- 1/1.9" Progressive Scan CMOS, up to 1920 × 1080 resolution @ 30 fps
- Color:0.002 Lux @(F1.5,AGC ON); B/W:0.0002 Lux @(F1.5,AGC ON)
- 36x Optical zoom, 16x Digital zoom
- 360° endless pan range and -15 to 90° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°to 300°/s Manual Pan Speed and 0.1°to 240°/s Manual Tilt Speed
- 300 Presets programmable; preset image-freeze capability
- 8 Patrols, up to 32 presets per patrol
- Power-off Memory: Restores PTZ & lens status after reboot



**DS-2DP0818Z-D**  
360° Panoramic + 2MP  
36x PTZ Camera



**Panoramic Camera**

- 4 x 1/1.9" Progressive Scan CMOS, up to 4096 × 1800 resolution @ 30 fps
- Horizontal angle of view: 180°; Vertical angle of view: 78°
- Color:0.005 Lux @(F2.2,AGC ON); B/W:0.0005 Lux @(F2.2,AGC ON)

**PTZ Camera**

- Supports manual-tracking & auto-tracking
- 1/1.9" Progressive Scan CMOS, up to 1920 × 1080 resolution @ 30 fps
- Color:0.002 Lux @(F1.5,AGC ON); B/W:0.0002 Lux @(F1.5,AGC ON)
- 36x Optical zoom, 16x Digital zoom
- 360° Endless pan range and -15°to 90° tilt range
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- 0.1°to 300°/s Manual Pan Speed and 0.1°to 240°/s Manual Tilt Speed
- 300 Presets programmable; preset image freezing capability
- 8 Patrols, up to 32 presets per patrol
- Power-off Memory: Restores PTZ & Lens status after reboot



**DS-2DP1636-D**  
360° Panoramic  
Camera



**Panoramic Camera**

- 8 x 1/1.9" Progressive Scan CMOS, up to 2 × 2400 × 3840 @ 25 fps
- Horizontal angle of view: 360°; Vertical angle of view: 180°
- Color:0.004 Lux @(F1.8,AGC ON); B/W:0.0004 Lux @(F1.8,AGC ON)



**DS-2CD6986F-(H)**  
180° Panoramic Dome  
Camera



**Panoramic Camera**

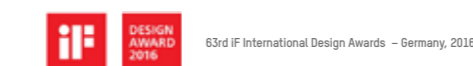
- Panoramic camera
- 4 x1/1.8" Progressive Scan CMOS
- 180° Horizontal View
- Up to 4096 × 1800P resolution
- Min. Illumination: 0.002 Lux @ (F1.8, AGC ON)(Color), 0.0002 Lux @ (F1.8, AGC ON)(B/W)• 3D DNR
- 3D DNR
- Support 128G on-board storage
- DC12V/PoE
- Audio/Alarm IO



**PANOVU PANORAMIC CAMERA**  
PANORAMIC VIEWS AND INCREDIBLE DETAIL  
IN A SINGLE CAMERA!

When designing surveillance applications, more and greater requirements have become necessary for monitoring large areas such as public plazas, arenas, airports, busy traffic intersections, and the like. In very large settings, security personnel need to see more with just one camera – not just a panoramic image, but zoomed-in, detailed views as well.

With that in mind, Hikvision designed the PanoVu Series all-in-one cameras to capture both excellent panorama and close-up details. Panoramic images are captured with four or eight 2-Megapixel sensors, rendering 180° or 360° panoramic monitoring with real-time ultra-HD resolution. The integrated design and high-speed pan-tilt-zoom action grants the user swift positioning over expansive areas with the power to bring sharp details into focus. At the same time, the PanoVu Series Cameras utilize Hikvision's ultra-low light Darkfighter technology, making colored images possible in poorly lit environments.



In addition, this amazing Hikvision PanoVu camera (DS-2DP1636-D) has been recognized by iF Design Award, for its simple design, compact structure and easy installation.

**PanoVu**

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### ■ 360°/180° Overview and 36x Detailed Zoom

Combining several built-in horizontal cameras with PTZ power, one single PanoVu camera captures 360° or 180° panoramic images as well as close-up images with 36x optical zoom. The panoramic images are stitched together within the camera itself, so you do not need another server or add-on to accomplish this.

360° Overview + 36x PTZ

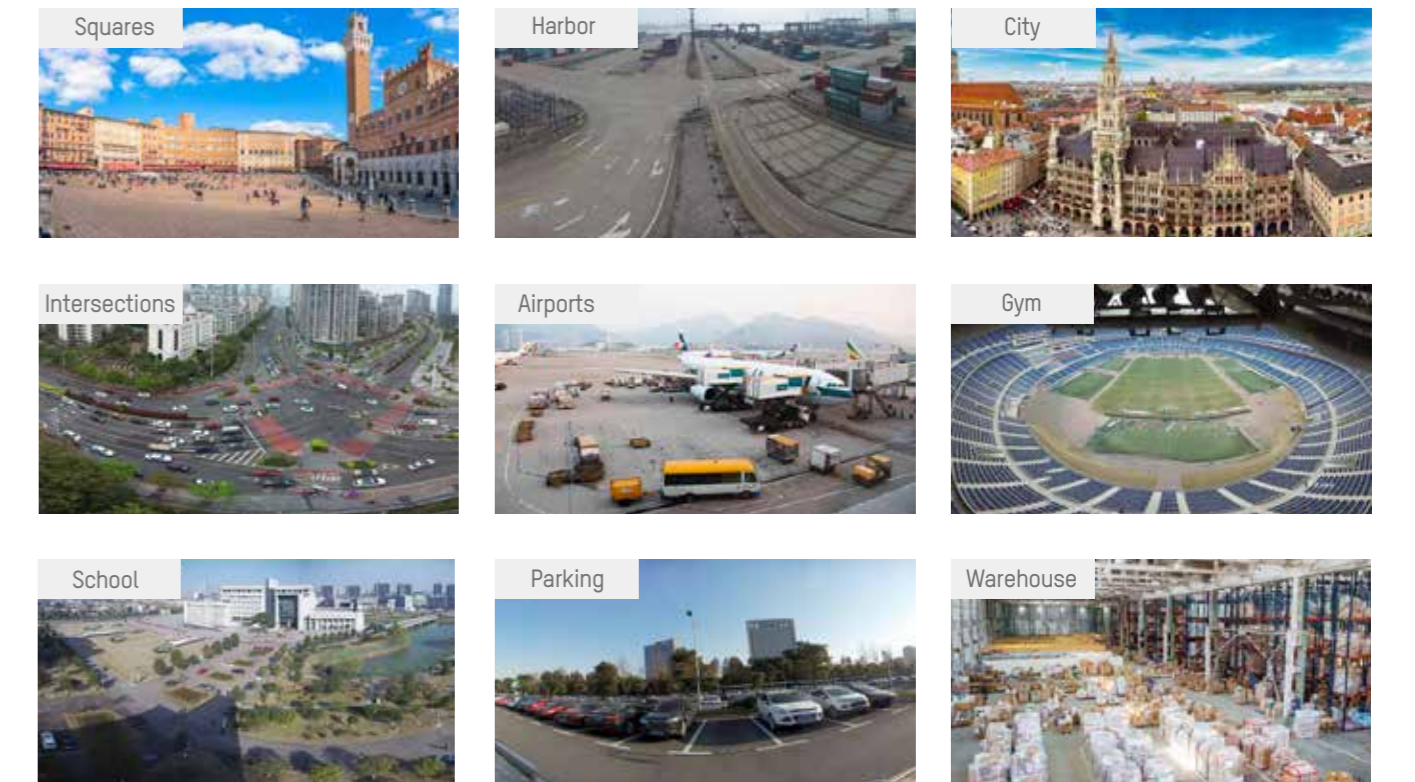


### ■ Smart Features

-  **COOLING / HEATING**  
 Smart PTZ Speed Dome cameras come with a double-layer aluminum housing for enhanced heat/cold insulation and thermostatic control to regulate heating and cooling. They function in temperatures ranging from -40°C to +65°C.
-  **IP66/67**  
 Outdoor video cameras with an effective protection index of IP66 are set in a casing which is waterproof, dustproof, and can withstand tough weather conditions. The new IP67 casings can now withstand the even more extreme effects of powerful jets of water.
-  **POE PLUS / HIGH-POE**  
 Hikvision Smart cameras support PoE+ or High-PoE (for Speed Dome cameras only) for easy installation.
-  **HLC - HIGHLIGHT COMPENSATION**  
 HLC (Highlight Compensation) technology dims the brightest parts of a shot, preventing dazzling. Extremely useful in capturing images such as vehicle licence plates against the glare of headlights, it can reduce any spotlight-type of light source, so as to produce a clear image.
-  **PRIVACY MASK**  
 A Privacy Mask blocks out areas that are considered sensitive for privacy reasons and irrelevant for Security purposes.
-  **Embedded Open Platform**  
 Embedded open platforms are an innovative approach to video analysis for use in vertical applications, making the camera available to algorithms developed by third party users.
-  **SMART NETWORK ACCESS**  
 The proprietary algorithm for internet access enhances throughput (digital bandwidth output) and supports up to 20 simultaneous live connections.
-  **3D DNR**  
 3D-DNR technology goes a step further than DNR. It reduces the effect of noise on an image and optimizes sharpness, especially of moving objects in low light conditions.
-  **128GB ONBOARD STORAGE**  
 Local recording on an on-board SD card; avoids video being streamed online to the recording system. Easy transfer increases reliability.
-  **P - IRIS (IPC BOX ONLY)**  
 The advanced Smart IPC box P-Iris automatic iris control technology delivers exceptional sharpness and excellent depth of field.
-  **DWDR - 120DB/140DB WDR**  
 Hikvision's exclusive WDR technology delivers crystal clear images even in the most challenging conditions and where backlight is very strong, with up to 140dB Triple Scan WDR.
-  **THIRD - PARTY INTEGRATION**  
 All Hikvision video cameras support standard protocols like ONVIF, CGI, and PSIA and are compatible with various third party platforms such as Milestone, Genetec, etc.
-  **HIGH EFFICIENT ENCODING**  
 Greater video compression efficiency improves performance by 30% to 50% compared to traditional IP cameras and drastically reduces internet transmission load and storage space.
-  **BLC - BACKLIGHT COMPENSATION**  
 By regulating sensor exposure time, the BLC function counteracts brightness behind the zone of interest.
-  **IK10**  
 An IK10 rating means that the vandal-resistant camera housing can withstand impacts with an energy value of up to 20J. All Smart PTZ Speed Dome cameras can be equipped with optional IK10 housing.
-  **EIS - ELECTRONIC IMAGE STABILIZATION**  
 EIS stabilizing technology compensates for camera shake, keeping images stable in any circumstances.
-  **TRIPLE STREAM**  
 Triple Stream generates three different video streams with individual codecs: main stream, sub-stream and third stream, which give different resolutions, frame rates and compression logarithms, depending on requirements. The third stream supports image cropping, in order to stream only a zone of interest from the entire video.

### ■ Application Scenarios

With intelligent and powerful features, the PanoVu Series Cameras can be used extensively, including applications like airports, transit stations, gymnasiums, scenic ports, and public squares needing a wide range of monitoring.



### ■ An Advanced System With Easy Installation

With an "All-in-one" design, PanoVu serves as a system that enables front-end splicing and delivers both panoramic (180° or 360°) and detailed footage (180° or 360°) without using any additional server. The product allows for a quick installation, all you need is a cable and a power supply. Characterized by its flexibility and ease of operation, PanoVu provides a full range of options in its user interface offering panoramic scenes in ultra-high-resolution, while capturing the details dynamically in real-time. You can zoom in to see the close-up details just by clicking on the image.



### ■ DarkFighter Ultra-Low Light Technology

All fixed and zoom camera modules of PanoVu cameras utilize Hikvision DarkFighter ultra-low light technology. Therefore, whether you are viewing 180° or 360° panoramic or PTZ close-up images, it can render colored images in very low-light environments.



### ■ Smart Functions

With advanced video analysis and multiple target tracking algorithms, PanoVu Cameras also feature a wide range of Smart functions for multiple targets within the panoramic view, including intrusion detection, line crossing detection, and region entrance and exiting detection. The cameras can also send alarm signals linked to the PTZ for tracking, greatly improving security efficiency.