HIKVISION

HUGE PANORAMAS.
INCREDIBLE VIEW.
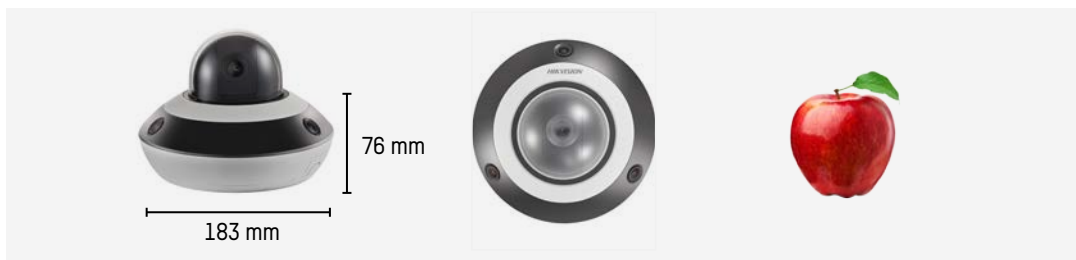# HIKVISION PanoVu SERIES
NETWORK CAMERA

PanoVu

WHAT IS THE PANOVU 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 multiple sensors, rendering 180° or 360° panoramic imaging 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.

Now, new additions to the PanoVu product family feature high definition panoramic view camera – up to 32 MP – as well as supplemental IR & panoramic lighting for clear images in extremely dark environment, and an amazing wide tilt angle. And, because panoramic cameras demand more bandwidth and storage than conventional cameras, Hikvision designed the PanoVu cameras to utilize H.265+ technology, making the most efficient use of video transmission and storage.

PanoVu Mini Series cameras are new members to the Hikvision PanoVu product family. They feature compact sizes, affordable prices, and ease of installation and use, while keeping all the market-proven features of PanoVu cameras such as high edge definition, low image distortion, and powerful PTZ functions. They are used in a wide range of scenarios, indoor and outdoor.

A SIMPLE SYSTEM FOR AN EASY INSTALLATION

With an "all-in-one" design, a single product serves as a system that enables front-end splicing and delivers both panorama and every detail through full shot (180° or 360°) and close-up shot without using any additional server. You can enjoy a simple and time-saving installation and maintenance. The product allows for a quick installation as dome camera does—all you need are a cable and a power supply. Characterized by a flexibility and ease of operation, it provides a full range of options in the user interface to offer a panorama in the ultra-high-resolution scene while capturing the details dynamically in real time. You can zoom in an image to its center to see the close-up details just by clicking on the image.

PANORAMIC VIEWS AND FINER PICTURES

Combining several built-in horizontal cameras with PTZ power, one PanoVu camera captures 360° or 180° panoramic images as well as close-up images with up to 50x optical zoom. These cameras provide high-resolution images with more detail. Note, too, that the panoramic images are stitched together within the camera itself, so users will not need another server or add-on to enjoy full use of the cameras.

360° Overview + 50x PTZ

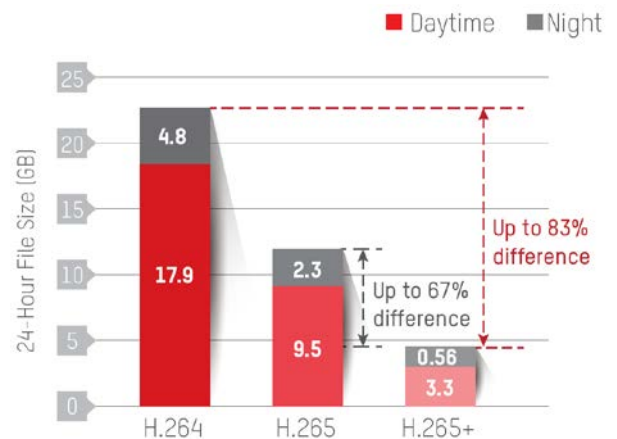# DarkFighter ULTRA-LOW-LIGHT TECHNOLOGY AND SUPPLEMENTAL LIGHTING

All fixed and zoom lenses of PanoVu cameras utilize Hikvision DarkFighter ultra-low-light technology. Therefore, whether you are viewing 180° or 360° panoramic images or PTZ close-up images, each one can render colored images in very low-light environments down to 0.002 lux.

Supplemental lighting significantly improves image quality in extremely dark environment. But with a panoramic camera, it's difficult for supplemental light to reach the same angle as the lens. Hikvision's advanced PanoVu cameras, however, feature wide-angle supplemental light, perfectly matching the angle of the lens and bringing vivid images to life.

SMART CODEC
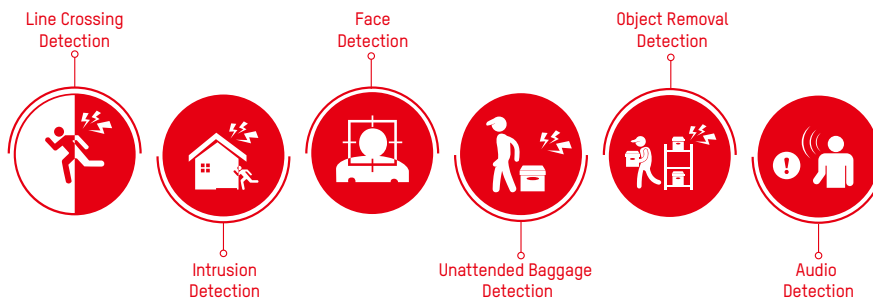## – H.265+ OPTIMIZED COMPRESSION

PanoVu Series Cameras also feature Hikvision's H.265+ technology, reducing bandwidth and storage requirements by an average of 70% or more while maintaining consistent resolution, framerates, and detail. It's an efficient way to manage super high resolution video footages.

24-Hour recording file size (GB) comparing H.264, H.265, and H.265+
*Data was tested in a common scene; for reference only.

SMART FUNCTIONS

With advanced video analysis and multi-target tracking algorithms select, PanoVu Cameras also feature a wide range of smart functions in panoramic mode, including intrusion detection, line crossing detection, and region entrance and exiting detection. The PanoVus can also send alarm signals linked to the PTZ for tracking, greatly improving security efficiency.

Line Crossing Detection

Face Detection

Object Removal Detection

Intrusion Detection

Unattended Baggage Detection

Audio Detection

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.

Squares

Harbor

City

Intersection

Intersections

Airports

Gym

Parking lot

PRODUCT FEATURES

DS-2DP0818ZIX-D236
PanoVu Series 180° Panoramic + PTZ Camera

Panoramic Camera
- Four 1/1.8" progressive scan CMOS
- Up to 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 180°, vertical field of view: 80°
- Min. illumination:
  - Color: 0.005 lux @ (F2.0, AGC ON)
  - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
  - Color: 0.002 lux @ (F1.5, AGC ON)
  - B/W: 0.0002 lux @ (F1.5, AGC ON)
  - 0 lux with IR
- 36× optical zoom, 16× digital zoom
- IR distance: 200 m

DS-2DP0818ZIX-D250
PanoVu Series 180° Panoramic + PTZ Camera

Panoramic Camera
- Four 1/1.8" progressive scan CMOS
- Up to 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 180°, vertical field of view: 80°
- Min. illumination:
  - Color: 0.005 lux @ (F2.0, AGC ON)
  - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
  - Color: 0.05 lux @ (F1.8, AGC ON)
  - B/W: 0.01 lux @ (F1.8, AGC ON)
  - 0 lux with IR
- 50× optical zoom, 16× digital zoom
- IR distance: 200 m
- Optical Image Stabilization

DS-2DP0818ZIX-D836
PanoVu Series 180° Panoramic + PTZ Camera

Panoramic Camera
- Four 1/1.8" progressive scan CMOS
- Up to 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 180°, vertical field of view: 80°
- Min. illumination:
  - Color: 0.005 lux @ (F2.0, AGC ON)
  - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 2/3" progressive scan CMOS
- Up to 4096 × 2160 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
  - Color: 0.005 lux @ (F1.5, AGC ON)
  - B/W: 0.0005 lux @ (F1.5, AGC ON)
  - 0 lux with IR
- 36× optical zoom, 16× digital zoom
- IR distance: 200 m

PRODUCT FEATURES

DS-2DP1636ZIX-D236
PanoVu Series 180° Panoramic + PTZ Camera

Panoramic Camera
- Eight 1/1.8" progressive scan CMOS
- Up to 2 × 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 360°, vertical field of view: 80°
- Min. illumination:
    - Color: 0.005 lux @ (F2.0, AGC ON)
    - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 1/1.8" progressive scan CMOS
- Up to 1920×1080 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
    - Color: 0.002 lux @ (F1.5, AGC ON)
    - B/W: 0.0002 lux @ (F1.5, AGC ON)
    - 0 lux with IR
- 36× optical zoom, 16× digital zoom
- IR distance: 200 m

DS-2DP1636ZIX-D250
PanoVu Series 360° Panoramic + PTZ Camera

Panoramic Camera
- Eight 1/1.8" progressive scan CMOS
- Up to 2 × 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 360°, vertical field of view: 80°
- Min. illumination:
    - Color: 0.005 lux @ (F2.0, AGC ON)
    - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 1/1.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
    - Color: 0.05 lux @ (F1.8, AGC ON)
    - B/W: 0.01 lux @ (F1.8, AGC ON)
    - 0 lux with IR
- 50× optical zoom, 16× digital zoomIR distance: 200 m
- Optical Image Stabilization

DS-2DP1636ZIX-D836
PanoVu Series 360° Panoramic + PTZ Camera

Panoramic Camera
- Eight 1/1.8" progressive scan CMOS
- Up to 2 × 4096 × 1800 resolution @ 30 fps
- Horizontal field of view: 360°, vertical field of view: 80°
- Min. illumination:
    - Color: 0.005 lux @ (F2.0, AGC ON)
    - B/W: 0.0005 lux @ (F2.0, AGC ON)

Tracking PTZ Camera
- 2/3" progressive scan CMOS
- Up to 4096 × 2160 resolution @ 30 fps
- Pan and tilt range: 360° (Pan), -15° to 90° (Tilt)
- Min. illumination:
    - Color: 0.005 lux @ (F1.5, AGC ON)
    - B/W: 0.0005 lux @ (F1.5, AGC ON)
    - 0 lux with IR
- 36× optical zoom, 16× digital zoom
- IR distance: 200 m

DS-2PT3122IZ-DE3
PanoVu Mini Series IR Network PTZ Camera

Panoramic Camera
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Min. illumination:
    - Color: 0.05 lux @ (F2.0, AGC ON)
    - B/W: 0.01 lux @ (F2.0, AGC ON)
    - 0 lux with IR
- Supports H.265 video compression
- Horizontal field of view: 128.5°

PTZ Camera
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Min. illumination:
    - Color: 0.05 lux @ (F2.0, AGC ON)
    - B/W: 0.01 lux @ (F2.0, AGC ON)
    - 0 lux with IR
- Supports H.265 video compression
- 4× optical zoom, 8× digital zoom

DS-2PT3306IZ-DE3
PanoVu Mini Series IR Network PTZ Camera

- Three 1/2.8" progressive scan CMOS
- Up to 3-ch 1920 × 1080 resolution @ 30 fps
- Min. illumination:
    - Color: 0.05 lux @ (F2.0, AGC ON)
    - B/W: 0.01 lux @ (F2.0, AGC ON)
    - 0 lux with IR
- Horizontal field of view: 128.5° × 3
- Vertical field of view: 75.7°
- Up to 10 m IR

DS-2PT3326IZ-DE3
PanoVu Mini Series IR Network PTZ Camera

Panoramic Camera
- Three 1/2.8" progressive scan CMOS
- Up to 3-ch 1920 × 1080 resolution @ 30 fps
- Min. illumination:
    - Color: 0.05 lux @ (F2.0, AGC ON)
    - B/W: 0.01 lux @ (F2.0, AGC ON)
    - 0 lux with IR
- Supports H.265 video compression
- Horizontal field of view: 128.5° × 3

PTZ Camera
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Min. illumination:
    - Color: 0.05 lux @ (F2.0, AGC ON)
    - B/W: 0.01 lux @ (F2.0, AGC ON)
    - 0 lux with IR
- Supports H.265 video compression
- 4× optical zoom, 8× digital zoom

DS-2PT5306BZ-DE
PanoVu Mini Series IR Network PTZ Camera

DIGITAL WDR | SD | 3D DNR | MASK | H.265 | HD | 💡 | PoE

- Three 1/2.8" progressive scan CMOS
- Up to 3-ch 1920 × 1080 resolution @ 30 fps
- Min. illumination:
  - Color: 0.005 lux @ (F1.6, AGC ON)
  - B/W: 0.001 lux @ (F1.6, AGC ON)
  - 0 lux with IR
- Horizontal field of view: 80.7° × 3
- Vertical field of view: 43.5°
- Three flexible cameras are adjustable along a circular track with a sliding range of 0° to 270°
- Up to 30 m IR
- IP66

DS-2PT5326IZ-DE
PanoVu Mini Series IR Network PTZ Camera

DIGITAL WDR | SD | 3D DNR | MASK | H.265 | HD | 💡 | PoE

Panoramic Camera
- Three 1/2.8" progressive scan CMOS
- Up to 3-ch 1920 × 1080 resolution @ 30 fps
- Min. illumination:
  - Color: 0.005 lux @ (F1.6, AGC ON)
  - B/W: 0.001 lux @ (F1.6, AGC ON)
  - 0 lux with IR
- Horizontal field of view: 80.7° × 3
- Vertical field of view: 43.5°
- Up to 30 m IR

PTZ Camera
- 1/2.8" progressive scan CMOS
- Up to 1920 × 1080 resolution @ 30 fps
- Min. illumination:
  - Color: 0.005 lux @ (F1.6, AGC ON)
  - B/W: 0.001 lux @ (F1.6, AGC ON)
  - 0 lux with IR
- 10× optical zoom, 8× digital zoom
- Up to 50 m IR

DS-2CD6D24/54FWD
8/20 MP PanoVu Vari-Focal Network Camera

HD | 🌧 | H.265 | WDR | Vsmart | 3D DNR

- Four 1/2.7" progressive scan CMOS
- Up to 4-ch 2/5 MP resolution @ 30 fps
- Horizontal field of view: 31° to 108°
- Vertical field of view: 22.5° to 74.4°
- H.265, H.264
- Optical fiber transmission
- 10-30 m IR range
- Four flexible 2.8-12 mm VF lens
- 6 behavior analyses, 4 exception detection, and face detection

DS-2CD6984G0 **NEW**
32 MP PanoVu Series Panoramic Dome Camera

SD | 3D DNR | H.265 | IP67 | WDR | 🔦

- 1/2" progressive scan CMOS
- Max. resolution: 8160 × 3616 @ 25 fps in panorama display mode
- Panorama field of view:
  - 180° horizontal field of view
  - 95° vertical field of view
- Multiple display modes available
- Panorama, original, panorama + ePTZ, and divided panorama
- Four IR LEDs, up to 20 m IR
- H.265, H.265+, H.264+, H.264
- 120 dB WDR
- Image enhancement: BLC, 3D DNR, HLC, defog, EIS
- Audio and alarm I/O, optional
- Flexible power supply options
- IP67, IK10

DS-2CD6924G0
8 MP PanoVu Series Panoramic Dome Camera

SD | 3D DNR | H.265 | IP67 | WDR | 🔦

- 1/2.8" progressive scan CMOS
- 7008 × 1080 @ 30 fps in panorama mode
- Four 6 mm lenses
- Four IR LEDs, up to 20 m IR
- H.265, H.265+
- 3D DNR
- BLC/ROI/HLC
- Audio and alarm I/O (-S)
- 6 behavior analyses, audio exception detection and face detection

Recommended NVRs

DS-9632/64NI-I8/I16 (I Series NVR)
DS-96064/128/256NI-I16/I24 (Super I Series NVR)
Embedded H.265 4K NVR

- 320/512/768 Mbps max. bit rate input (up to 32/64/128/256-ch IP video)
- Third-party network cameras supported
- Up to 12 MP resolution recording
- Supports H.265/H.265+/H.264/H.264+/MPEG4 video formats
- 2-ch HDMI and 2-ch VGA output interfaces provided, HDMI1 output at up to 4K (3840 × 2160) resolution
- Gigabit network interfaces
- 8/16 SATA, up to 2 eSATA, 2 USB 2.0 and 1 USB 3.0 interfaces
- Supports RAID 0, 1, 5, 6, 10

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NETWORK CAMERA

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