

# SPECIALTY CAMERAS

Solutions Catalog



VERSATILE CAMERA SOLUTIONS TO MEET  
THE MOST DEMANDING ENVIRONMENTS

**Partner.Win.**

**HIKVISION**

## Hikvision Unauthorized Distributors Policy

Hikvision USA Inc., and Hikvision Canada Inc. (Hikvision USA and Hikvision Canada), sell products only through authorized distributors. We value our industry partners and are proud of the relationships we have developed to help expand the use of our innovative technology products and solutions. Hikvision's authorized distributors serve as an important link in the Hikvision USA and Hikvision Canada value chain by providing excellent pre- and post-sale customer service, including firmware updates and sales engineering support.

Not every distributor advertising Hikvision products has been authorized by Hikvision USA or Hikvision Canada to advertise or sell those products. We warn potential customers against purchasing products from unauthorized distributors. Unauthorized distributors may be selling products that are counterfeit, used, have modified firmware or are otherwise damaged. The Hikvision warranty is void, per company policy, on any product that is not purchased through a Hikvision USA or Hikvision Canada authorized distributor.

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If you have any questions or concerns about the official status of your Hikvision distributor before your purchase, please contact Hikvision USA and Hikvision Canada Customer Service at [csr.usa@hikvision.com](mailto:csr.usa@hikvision.com) to confirm their authorized status.

Thank you for your continued support of our industry-leading video surveillance products.

Headquarters, Hangzhou, China

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# Hikvision – Your Partner for Demanding Solutions

The best video security solutions start with great products. But even the best solutions need a team of talented and dedicated professionals, working side by side with their customers, to guarantee a solution that exceeds expectations. Hikvision's experienced team of security professionals will work tirelessly to meet every challenge.

## ARCHITECTS & ENGINEERS PARTNERS

Hikvision has a dedicated team of security industry professionals who focus solely on supporting and educating the A&E and consultant community about Hikvision products and solutions. Covering the entirety of North America both in the US and Canada, this seasoned group works alongside our sales organization to offer the resources required by the A&E community, including BIM modules, A&E specifications, design tools, and design support. Additionally, the A&E team manages Hikvision's online A&E portal to provide quick access to the resources needed by our partners in the A&E community.

## ENTERPRISE SOLUTIONS

Hikvision is a global organization that supports the enterprise market with sophisticated products, consistent quality, a supportive dealer program and worldwide distribution. We have dedicated teams that work with architects, engineers and consultants to provide support throughout the sales process, from pre-design to installation, including technical and warranty items. This facilitates our partners' growth and meets the demand for excellent service from the global enterprise customer.



A woman with short brown hair, wearing a light-colored button-down shirt, and a man with dark hair, wearing a light blue button-down shirt, are looking at a tablet together. The woman is pointing at the screen. The background is a blurred office setting.

**Hikvision brings real value  
to integrators as a trusted,  
reliable partner.**

### **3RD PARTY INTEGRATION**

Hikvision is committed to providing our customers flexibility and freedom to choose best-in-class products that meet the critical demands of their individual applications. Interoperability with third party devices is a key factor in delivering comprehensive, partnered solutions. Hikvision's Application Program Interface (API) is common to all our products and allows seamless interoperability between Hikvision products and third party devices. Our API, with unwavering support from our development team, has resulted in over 200 successful technology partner integrations.

### **DEALER PARTNERS**

It's an exciting time to partner with Hikvision. As the world's leading video surveillance manufacturer, we take a team approach to winning business, working alongside our partners through the entire business cycle. You can rely on our extensive field support team, which is staffed by knowledgeable professionals. Their goal is to help our integrators fortify and grow their businesses.

Our efforts support our mutual success through product selection, sales, technical training, engineering, installation and post-sales support.

We invest heavily in R&D, hundreds of millions of dollars per year, to supply the market with reliable, secure and innovative technology with unmatched value. We believe that's the best game plan to provide Hikvision dealers with a competitive advantage out in the field.

Hikvision goes the extra mile to provide customers with all of the resources they need for a first-class security system. Hikvision's Dealer Partner (HDP) program and A&E program provide additional resources for dealers, architects and engineers to promote business success through knowledge and valuable tools. Hikvision is committed to creating and protecting business value for its customers and partners.

To learn more about our partner programs, please contact us at [partners.usa@hikvision.com](mailto:partners.usa@hikvision.com).

# Demanding Solutions

## Start with Better Technology

In video security, very few installations are the same, so when talking about demanding applications it is important to understand that different applications demand different technologies, a dedicated approach to guaranteeing that our partners are well supported, and robust solutions that meet the demands of the customer, the application, and the environment.

When the demands of the application require leading technologies to guarantee that video information is available, and usable, in all lighting conditions, at all times of day, in the most demanding environments, Hikvision provides solutions that will meet those demands.

### SMART SOLUTIONS AND KEY TECHNOLOGIES

Smart Pro Series products represent the best technology that Hikvision has to offer and feature a robust range of proprietary technologies to improve imaging performance, including megapixel cameras and DarkFighter ultra lowlight technology; the latest encoding algorithms, including Region of Interest encoding to reduce bandwidth and storage; or Smart Features that offer users the ability to program their systems for automated alerts, actions, recording and playback of exceptions in manned and unmanned systems.

#### 01. DARKFIGHTER™

DarkFighter technology utilizes a larger sensor size and unique “backside illuminated sensor” pixel structure to improve light usage. Hikvision’s exclusive Self-Adaptive Image Signal Processing mimics the way the human eye adjusts to low illumination. Auto Nonlinear Image Enhancement, Multi-Exposure, Smart Gain Control, and Self-Adaptive Detail Enhancement with Noise Reduction dynamically adjust key imaging factors to improve image quality. Improvements to hardware design reduce power and heat-generated noise. All of these technologies combine to produce cameras that offer industry-leading low-light technology that can produce clear color images down to 0.002 lux at 30 images per second.

*Ask your local Hikvision representative about Hikvision’s exclusive DarkFighterX technology or ask for a demo of this industry leading color imaging technology that uses two sensors to achieve 0.001 lux color images. You won’t believe your eyes!*



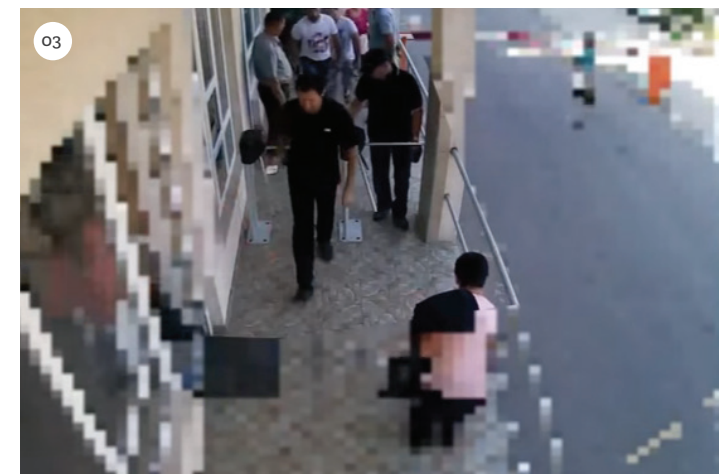
#### 02. DEFOG TECHNOLOGY

Since surveillance cameras are often installed outside and are expected to stand the test of 24/7 operation, they are frequently exposed to atmospheric conditions that reduce performance. To meet these challenges, Hikvision developed a video defog technology for live video. The technology is based on atmospheric optics theory. When defogging, it distinguishes the depth of field and fog density of different areas and uses the filter process to get a correct and natural defogged image.



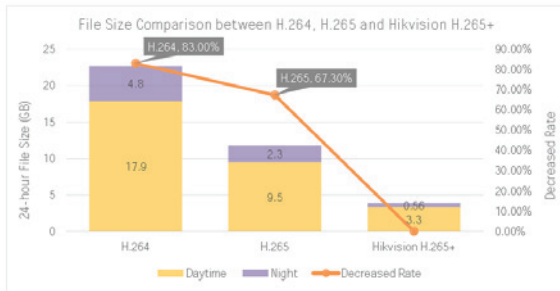
#### 03. REGION OF INTEREST (ROI) ENCODING

When security cameras are deployed, they are positioned to provide coverage over the most critical scenes. Within the field of view of the camera, some areas are of greater importance than others and some areas are really of no interest at all. This becomes more important as the resolution of cameras increase. Larger resolutions, even with improved encoding efficiencies, require more bandwidth and storage. Region of Interest (ROI) Encoding resolves this issue by providing the highest image quality on the areas of a scene of most interest, while reducing the quality level in uninteresting areas, to provide the highest quality/lowest bandwidth results.



04

Time	Average Bitrate (kbps)		
	H.264	H.265	H.265+
09:00-21:00 (Daytime)	3,482	1,843	650
21:00-Next Day 09:00 (Night)	930	453	108
Theoretical File Size in 24 Hours (GB)	22.7	11.8	3.9



#### 04. H.265+ ENCODING

Hikvision continues to strive for enhancement of its products through application of the latest in technology. H.265+ Advanced Video Coding (AVC) represents another Hikvision advancement in video compression. Through the combination of intelligent analysis technology with predictive encoding, noise suppression, and long-term bitrate control, Hikvision is meeting the demand for higher resolutions at reduced bandwidths.

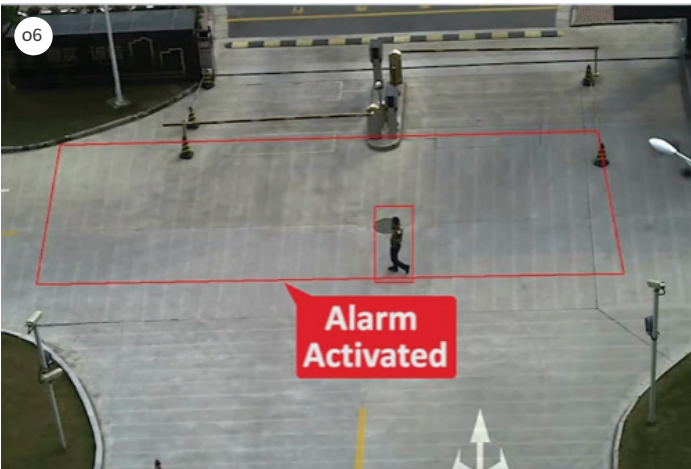
05



#### 05. SMART FEATURES – SMART RECORDING/SMART SEARCH

Hikvision Smart Recording and Smart Search is a powerful capability that improves any video security system by either only recording video according to programmed VCA or ROI settings, or by searching and playing back video based upon predefined parameters. Smart Technology combines different technologies across the Hikvision line and is designed to improve overall system performance while lowering overall systems costs. Because Smart Features combine many of the technologies described above along with integration to Hikvision NVR/DVR and VMS platforms, Smart Features are best employed in an end-to-end Hikvision system.

06



#### 06. SMART FEATURES – SMART SUITE VIDEO CONTENT ANALYSIS (VCA)

Video Content Analysis is designed to improve overall performance of a video surveillance system through algorithms designed to evaluate images for specific behaviors or activities. Simply put, VCA allows users to apply specific rules within a camera's field of view to provide alerts when certain unwanted events occur. These algorithms include line cross, intrusion, region entrance/exit detection and can be programmed to alert key security personnel, start automatic recording, or trigger PTZ cameras to track or zoom in on targets for better identification. All Smart Series cameras offer a VCA suite as standard.

# HikCentral

Hikvision is proud to introduce HikCentral, a Central Management System (CMS) designed for managing distributed sites or large groupings of cameras recording on Hikvision NVRs, DVRs, and CVRs. HikCentral can be the management point for all your specialty Hikvision products by providing Central Management for any size project, whether it is a large Campus or regionally distributed systems with many sites. HikCentral is an Open Architecture system featuring:

- Support for 3rd party analogue and IP cameras, which allows end-users to re-use legacy equipment to optimize their investment
- Powerful Open SDK that allows 3rd party integration to many different types of systems, including Access Control, Intrusion and Building Automation.
- Systems pre-loaded on a Windows Server or as a Software only option.


HikCentral is exclusively available to HDP integrator partners through our authorized distributors and requires online certification for installers.







## HIKCENTRAL

HIKCENTRAL	
Model	 <p>*Software only</p>
Form Factor	Software Only, to be loaded on dedicated instance of Microsoft windows, as per Hikvision spec*
Function	Management Server Software package for NVRs and CVRs
Maximum IP cameras or NVRs or DVRs or Blazer Express Connections	1024
Maximum number of channels	3000
Maximum number of alarm input or output	3000
Maximum number of areas	3000
Maximum number of roles	64
Maximum number of users	No software restriction
Maximum number of E-map	1024
Maximum number of Central Video Recorder	32
Maximum number of Streaming Server connections	No software restriction
Maximum web client or control client connection concurrently	100
Maximum mobile client connection concurrently	100

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# Smart, Versatile Camera Solutions

Hikvision Smart Pro Series cameras feature the industry-leading technologies discussed previously while offering a diverse range of styles to complement Hikvision's Specialty Camera Systems, to provide robust capabilities for any application, guaranteeing that our customers can find a camera solution to meet any site requirement without compromise.

## 01. SMART PRO BOX AND BULLET CAMERAS

Compact and versatile, Hikvision Smart Pro Box and Bullet cameras provide a range of resolutions and lens choices, along with industry-leading low-light technology, encoding and Smart Features that are as versatile as they are powerful.

## 02. SPECIAL PURPOSE CAMERAS

Whether your requirement is people counting, heat mapping or improved coverage using multiple imagers stitched into a single stream of video, Hikvision has a solution that will improve any video system's performance while providing the potential to improve business performance combined with improved security.

## 03. FISHEYE AND PANORAMA CAMERAS

Providing unique solutions for challenging locations that require the best wide-angle coverage or zero blind spot imaging, from a single camera with a single sensor, Hikvision can offer fisheye lens cameras with high pixel-counts to improve depth of field while preserving details, or panoramic cameras with built-in audio, short-range IR and a versatile wall mount option to guarantee 100% coverage.



## 04. PAN/TILT/ZOOM DOME CAMERAS

Hikvision PTZs offer denser pixel counts (up to 4K), Defog and DarkFighter technology, IR capabilities up to 1,600 feet (500 meters), region of interest encoding, the latest encoding algorithms to improve latency and storage, and Smart Features to allow the camera to perform reliably in unattended applications.

04 DS-2DF883615V-AELW



02 iDS-2CD6412FWD/C



03 DS-2CD63C2F-IV



01 DS-2CD6062FHWD-A7



#### 04. PAN/TILT/ZOOM DOME CAMERAS

Hikvision PTZs offer denser pixel counts (up to 4K), Defog and DarkFighter technology, IR capabilities up to 1,600 feet (500 meters), region of interest encoding, the latest encoding algorithms to improve latency and storage, and Smart Features to allow the camera to perform reliably in unattended applications.



#### SMART RECORDING AND PLAYBACK

Hikvision can further improve performance with Smart Search, Smart Playback that includes Event Playback, and Event Back Up. All these easily integrates with third party platforms.



#### NETWORK VIDEO RECORDING PRODUCTS

Hikvision Super NVRs offer flexible and powerful solutions to improve performance and balance requirements between channels, resolutions, and RAID configurations to provide days to years of storage, depending upon individual needs, including centralized management.

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# Upright PTZ Camera Systems

Hikvision DarkFighter Upright Network PTZ Smart Pro Series camera systems are a traditional PTZ camera design for perimeter, parking lot, traffic or any application wanting to present a deterrent to potential criminals or promote public safety. These traditional pan/tilt designs allow users to look above the horizon and feature an integrated wiper, and optional, integrated long-range IR illumination. These cameras incorporate Hikvision's DarkFighter technology, which starts with a 1/1.9-inch 2 MP CMOS sensor to produce clear color images down to 0.002 lux and 0.0002 lux when in night mode. These camera additionally feature 120 dB True WDR, Smart Detection, Electronic Image Stabilization, Region of Interest encoding, Defog, 3D Intelligent Positioning and PTZ Suite analytics to provide high performance in the most demanding environments.

## Key Features

- Improved Pan/Tilt range
- 2 MP DarkFighter
- True Day/Night, Ultra-Lowlight Imaging
- True WDR, Defog and 3D DNR
- 3D Intelligent Positioning
- Wiper

## Applications

- "Look-up" and Deterrent Applications
- Perimeters
- Parking Areas
- Highways
- Airports



UPRIGHT PTZ CAMERA SYSTEMS

OUTDOOR PTZ

	DS-2DY5223IW-AE	DS-2DY9188-A	DS-2DY9188-AI2	DS-2DY9188-AIA	DS-2DY9250X-A	DS-2DY9250IX-A	DS-2DY9250IAX-A
<b>Model</b>	 DarkFighter <b>2 MP</b>	 DarkFighter <b>2 MP</b>	 DarkFighter <b>2 MP</b>	 DarkFighter <b>2 MP</b>	 <b>NEW</b> DarkFighter <b>2 MP</b>	 <b>NEW</b> DarkFighter <b>2 MP</b>	 <b>NEW</b> DarkFighter <b>2 MP</b>
<b>Image Sensor</b>	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/1.9" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS	1/2.8" progressive scan CMOS
<b>Min. Illumination (lux)</b>	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On, 0 with IR	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On, 0 with IR	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On, 0 with IR	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On, 0 with IR	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8	Color: 0.05 @ f/1.8 B/W: 0.01 @ f/1.8
<b>Lens</b>	5.9 to 135.7 mm, motorized zoom, autofocus/ 59.8° to 3.0°	5.7 to 205.2 mm, motorized zoom, autofocus/ 58.7° to 2°	5.7 to 205.2 mm, motorized zoom, autofocus/ 58.7° to 2°	5.7 to 205.2 mm, motorized zoom, autofocus/ 58.7° to 2°	6.6 to 330 mm, motorized zoom, autofocus/ 41.3° to 1.1°	6.6 to 330 mm, motorized zoom, autofocus/ 41.3° to 1.1°	6.6 to 330 mm, motorized zoom, autofocus/ 41.3° to 1.1°
<b>Optical Zoom (Digital Zoom)</b>	23x (16x)	36x (16x)	36x (16x)	36x (16x)	50x (16x)	50x (16x)	50x (16x)
<b>Pan Range</b>	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
<b>Tilt Range</b>	-90° to 90°	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°	-40° to 90°
<b>Pan &amp; Tilt Speed (Manual)</b>	Pan: 0.1° to 200°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 40°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 50°/sec.	Pan: 0.1° to 100°/sec. Tilt: 0.1° to 50°/sec.
<b>Pan &amp; Tilt Speed (Preset)</b>	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 540°/sec. Tilt: 400°/sec.	Pan: 100°/sec. Tilt: 100°/sec.	Pan: 100°/sec. Tilt: 100°/sec.	Pan: 100°/sec. Tilt: 100°/sec.
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/Digital	TRUE/Yes/Digital	TRUE/Yes/Digital
<b>Image Stabilization</b>	Electronic	Electronic	Electronic	Electronic	Optical	Optical	Optical
<b>IR Range Max. (Meters)</b>	150	---	200	1000 (Laser)	---	150	1000 (Laser)
<b>Smart Features/ Presets/Tours/Patterns</b>	PTZ Suite <sup>1</sup> / 300/8/4	PTZ Suite <sup>1</sup> / 256/8/4	PTZ Suite <sup>1</sup> / 256/8/4	PTZ Suite <sup>1</sup> / 300/8/4	PTZ Suite <sup>1</sup> / 300/8/4	PTZ Suite <sup>1</sup> / 300/8/4	PTZ Suite <sup>1</sup> / 300/8/4
<b>Video Compression</b>	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG/MPEG4	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
<b>Maximum Image Resolution (pixels)</b>	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
<b>Frame Rate (fps)</b>	30 @ 1920x1080, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720 60 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720 60 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720 60 @ 1920x1080, 1280x960, 1280x720
<b>Local Storage</b>	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 256 GB max.	MicroSD, 256 GB max.	MicroSD, 256 GB max.
<b>Ratings</b>	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
<b>Power Requirements (max.)</b>	24 VAC, Hi-PoE (802.3at), 45 W, PoE Injector Included	24 VAC, 60 W	24 VAC, 60 W	24 VAC, 60 W	24 VAC, 110W	24 VAC, 110W	24 VAC, 110W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P  
<sup>1</sup>PTZ Suite: Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease Detection, Audio Loss Detection, Defog

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# Stainless Steel Cameras

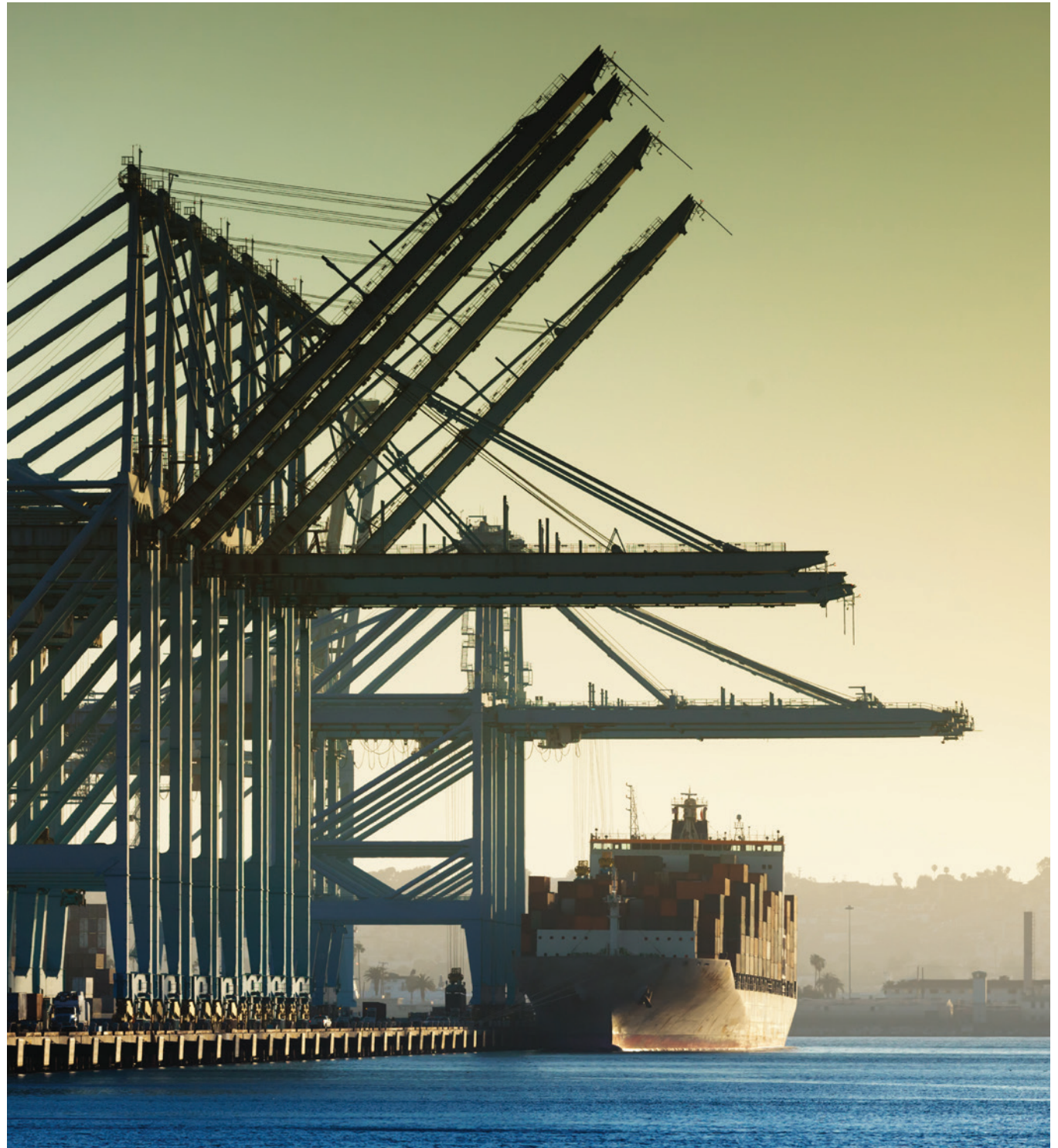
Harsh environments, where corrosive elements are often present, can create challenges for cameras and reduce their lifespan. Stainless steel camera enclosures are designed for harsh environments by offering better protection in areas prone to corrosion, such as the salt air along coastlines, industrial plants where manufacturing processes produce corrosive residue, or in food processing areas where frequent chemical wash-downs are required to prevent bacterial outbreaks. Not typical to most installations, applications where environmental or industrial conditions prevent the use of standard aluminum alloy enclosures, stainless steel enclosures represent a very high level of corrosion resistance and will ensure that the cameras will remain in operation well beyond their aluminum alloy counterparts.

## Key Features

- 316L Stainless Steel Construction
- Fixed and PTZ Models
- 2 MP DarkFighter Models
- True Day/Night, Ultra-Lowlight Imaging
- True WDR, Defog and 3D DNR
- IP67 Environmental Rating



## Applications

- Corrosive Environments
- Coastlines/Marine
- Chemical Processing
- Food Processing
- Washdown Applications




## STAINLESS STEEL CAMERAS

### OUTDOOR DOME

	DS-2XC6122FWD-IS	DS-2CD6626DS-IZHS	DS-2CD6626BS-R	DS-2CD6626B/E-HIR5	DS-2CD6626B/E-HIRA
<b>Model</b>	 <b>NEW</b> <b>2 MP</b>	 <b>DarkFighter</b> <b>2 MP</b>	 <b>DarkFighter</b> <b>2 MP</b>	 <b>DarkFighter</b> <b>2 MP</b>	 <b>DarkFighter</b> <b>2 MP</b>
<b>Image Sensor</b>	1/2.7" Progressive Scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS	1/1.8" progressive scan CMOS
<b>Min. Illumination (lux)</b>	Color: 0.01 Lux @ f/1.2 B/W: 0.028 Lux @ f/2.0	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.002 @ f/1.2, AGC On B/W: 0.0002 @ f/1.2, AGC On	Color: 0.002 @ f/1.2, AGC On B/W: 0.0002 @ f/1.2, AGC On, 0 with IR	Color: 0.002 @ f/1.2, AGC On B/W: 0.0002 @ f/1.2, AGC On, 0 with IR
<b>Lens/ Horizontal Angle of View</b>	2.8 mm/ 100°   4 mm/ 91°   6 mm/ 60°	2.8 to 12 mm @ f/1.4, motorized, autofocus/ 92° to 32°	16 mm/ 25°	3.8 to 16 mm/ 100.6° to 27.3°	11 to 40 mm/ 35.8° to 11.2°
<b>Pan/Tilt/Rotation</b>	0° to 75°/ -30° to 30°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	---	---	---
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB	TRUE/Yes/120 dB
<b>IR Range Max (meters)</b>	10	30	---	50	100
<b>Video Compression</b>	H.265/H.264	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
<b>Max. Image Resolution (pixels)</b>	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
<b>Frame Rate (fps)</b>	24 @ 1920x1080, 1280x960, 1280x720	30 @ 1920x1080, 1280x960, 1280x720 (60 @ 1920x1080, 1280x960 1280x720 with WDR off)	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720
<b>Multi-Streaming</b>	Triple	Triple	Triple	Triple	Triple
<b>Smart Features</b>	---	Full Smart Suite <sup>1</sup>	Full Smart Suite <sup>1</sup>	Full Smart Suite <sup>1</sup>	Full Smart Suite <sup>1</sup>
<b>Image Enhancement</b>	3D DNR, BLC, AWB, WDR	3D DNR, EIS, Defog	3D DNR, AWB, EIS, Defog	3D DNR, AWB, EIS, Defog	3D DNR, AWB, EIS, Defog
<b>Audio Input/Output</b>	---	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
<b>Alarm Input/Output</b>	1/1	1/1	1/1	1/1	1/1
<b>Local Storage</b>	MicroSD 128 GB max.	MicroSD 128 GB max.	No	MicroSD 128 GB max.	MicroSD 128 GB max.
<b>Ratings</b>	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, IK10, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M
<b>Operating Temperature Range</b>	-30° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
<b>Power Requirements (max.)</b>	12V DC, PoE (802.3af), 5 W	24 VAC, 12V DC, PoE (802.3af), 16 W	24 VAC, 12V DC, PoE (802.3af), 13 W	24 VAC, 60 W	24 VAC, 60 W

### OUTDOOR PTZ

	DS-2DT6223-AELY
<b>Model</b>	 <b>DarkFighter</b> <b>2 MP</b>
<b>Image Sensor</b>	1/1.9" progressive scan CMOS
<b>Min. Illumination (lux)</b>	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5 AGC On
<b>Lens/ Horizontal Angle of View</b>	5.9 to 135.7 mm, motorized zoom, autofocus/ 59.8° to 3.0°
<b>Optical Zoom</b>	23x (16x Digital)
<b>Pan Range</b>	360° endless
<b>Tilt Range</b>	-20° to 90° (auto flip)
<b>Pan &amp; Tilt Speed (Manual)</b>	Pan: 0.1° to 300°/sec. Tilt: 0.1° to 240°/sec.
<b>Pan &amp; Tilt Speed (Preset)</b>	Pan: 540°/sec. Tilt: 400°/sec.
<b>Day/Night/BLC/WDR</b>	TRUE/Yes/120 dB
<b>Electronic Image Stabilization</b>	Yes
<b>IR Range Max. (Meters)</b>	---
<b>Smart Features/ Presets/Tours/Patterns</b>	PTZ Suite <sup>2</sup> / 300/8/4
<b>Video Compression</b>	H.264/MJPEG/MPEG4
<b>Maximum Image Resolution (pixels)</b>	1920x1080
<b>Frame Rate (fps)</b>	30 @ 1920x1080, 1280x960, 1280x720
<b>Local Storage</b>	MicroSD, 128 GB max.
<b>Ratings</b>	316L Stainless Steel, IP67, IK10,UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 65° C (-40° F to 149° F)
<b>Power Requirements (max.)</b>	24 VAC, Hi-PoE (802.3at), 60 W, PoE Injector Included

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P

<sup>1</sup>PTZ Suite: Line Crossing, Intrusion, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease, Audio Loss, Defog

<sup>2</sup>Full Smart Suite: Motion Detection, Line Crossing, Intrusion, Region Entrance, Region Exiting, Unattended Baggage, Object Removal, Scene Change, Sudden Audio Increase/Decrease, Audio Loss, Defocus, Object Counting, Defog

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# Explosion Proof Cameras

Applications requiring specialized cameras that are able to operate when potentially explosive atmospheres are present under normal conditions will benefit from Hikvision's new explosion proof camera offers. Designed to flameproof standards and carrying ATEX and IECEx certifications for Class 1 Zone 1 locations, these camera systems will provide the needed video coverage to improve safety and surveillance in the most challenging industrial areas. All Hikvision explosion proof cameras are constructed of 316L stainless steel and feature the same advanced features, including analytics, that are standard on all Hikvision Smart Pro cameras.

## Key Features

- 316L Stainless Steel Construction
- Fixed and PTZ Models
- ATEX and IECEx Certifications
- Darkfighter Lowlight Technology
- True WDR, Defog and 3D DNR
- IP67 Environmental Rating

## Applications

- Explosive Atmospheres
- Offshore Oil/Gas Operations
- Petroleum Processing
- Chemical Processing
- Engine Rooms












## EXPLOSION PROOF CAMERAS

### OUTDOOR EXPLOSION PROOF PTZ

	DS-2DF6223-CX
Model	 <b>DarkFighter SS Explosion Proof</b>  
Image Sensor	1/1.9" progressive scan CMOS
Min. Illumination (lux)	Color: 0.002 Lux @ f/1.5 B/W: 0.0002 Lux @ f/1.5
Lens/Horizontal Angle of View	5.9 to 135.7 mm, motorized zoom, autofocus/ 59.8° to 3.0°
Optical Zoom	23x
Pan Range	360° endless
Tilt Range	0° to 90° (Auto Flip)
Pan & Tilt Speed (Manual)	Pan: 0.1"/s to 300"/sec Tilt: 0.1"/s to 240"/sec
Pan & Tilt Speed (Preset)	Pan: 540"/sec. Tilt: 400"/sec.
Day/Night/BLC/WDR	TRUE/Yes/120 dB
Electronic Image Stabilization	Yes
IR Range Max (Meters)	---
Smart Features/Presets/Tours/Patterns	PTZ Suite <sup>1</sup> / 300/8/4
Video Compression	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels)	1920 × 1080
Frame Rate (fps)	30 @ 1920×1080, 1280×960, 1280×720 60 @ 1920×1080, 1280×960, 1280×720 with WDR off
Local Storage	MicroSD, 128 GB max.
Material/Ratings	316L, IP68
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	100 VAC to 240 VAC, Max.: 60 W
Certifications	II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T80oC Db IP68

### OUTDOOR EXPLOSION PROOF BULLET

	DS-2XE6222F-IS
Model	 <b>Explosion Proof SS</b>  
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.01 Lux @ f/1.2 B/W: 0.001 Lux @ f/1.2
Lens/Horizontal Angle of View	4 mm/ 91°    6 mm/ 60°    8 mm/ 41.5°    12 mm/ 26.6°    16 mm/ 20.6°
Pan/Tilt/Rotation	---
Day/Night/BLC/WDR	TRUE/Yes/120 dB
IR Range Max (meters)	30
Video Compression	H.265/H.264
Max. Image Resolution (pixels)	1920 × 1080
Frame Rate (fps)	30 @ 1920×1080, 1280×960, 1280×720
Multi-Streaming	Triple
Smart Features	Full Smart Suite <sup>1</sup>
Image Enhancement	BLC/3D DNR
Motion Detection	Yes
Alarm Input/Output	2/2
Local Storage	MicroSD, 128 GB max.
Material/Ratings	316L, IP68, NEMA 4X, C5-M
Operating Temperature Range	-30°C to +60 °C
Power Requirements (max.)	AC 100 V to 240 V, PoE (802.3af), 6W
Certifications	II 2G Ex db IIC T6 Gb II 2D Ex tb IIIC T80oC Db IP68

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P

<sup>1</sup>PTZ Suite: Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease Detection, Audio Loss Detection, Defog

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# Thermal Imaging Camera Systems

Thermal imaging cameras are unique in video security applications in that they employ a sensor technology that produces consistent, stable images in any lighting condition, even total darkness, by detecting the thermal radiation (heat) and emissivity of everyday objects. This technology is particularly useful in detecting people and vehicles and is the leading solution, in combination with analytics, for perimeter protection.

Hikvision is proud to introduce several options in thermal imaging camera technology that will change the way thermal cameras are used. Models feature bullet and dual sensors designs in fixed and PTZ configurations. Standard features include embedded analytics, temperature measurement and fire detection.

## Key Features

- Fixed and PTZ Models
- Bi-Spectrum (Thermal with Visible) Imaging
- 384x288 and 640x512 Resolution Models
- Temperature Exception Alarming, Standard
- Advanced Fire Detection

## Applications

- Perimeters
- Dual-use Applications
- Zero-light
- Critical Infrastructure
- Port/Airport






All Hikvision thermal camera systems employ vanadium oxide (VOx) sensors and offer multiple lens choices in all models. Hikvision's cutting-edge video content analysis (VCA) algorithms, standard on all thermal models, provide automatic alerts, trigger recording, or provide vital scene details, including scene temperature information. Line cross, intrusion, region entrance/exit provide alerts in standard perimeter applications. The powerful thermography capability provides an alternative use for these cameras by allowing users to monitor critical equipment and receive temperature information, both on screen or by alarm, or schedule maintenance by detecting changes in temperature that could indicate a looming failure.



THERMAL IMAGING CAMERA SYSTEMS

OUTDOOR BULLET

OUTDOOR ACCURATE TEMPERATURE BULLET

	DS-2TD2136-7/10/15/25/35					DS-2TD2166-7/15/25/35				DS-2TD2336-50/75/100			DS-2TD2366-50/75/100			DS-2TD2136T-10/15/25		
<b>Model</b>																		
	RESOLUTION: Medium					RESOLUTION: High				RESOLUTION: Medium			RESOLUTION: High			RESOLUTION: Medium		
<b>Thermal Sensor</b>	Vanadium Oxide UFPA					Vanadium Oxide UFPA				Vanadium Oxide UFPA			Vanadium Oxide UFPA			Vanadium Oxide UFPA		
<b>Resolution/Pixel Pitch</b>	384x288/17 μm					640x512/17 μm				384x288 /17 μm			640x512/17 μm			384x288/17 μm		
<b>Thermal Lens</b>	7 mm	10 mm	15 mm	25 mm	35 mm	7 mm	15 mm	25 mm	35 mm	50 mm	75 mm	100 mm	50 mm	75 mm	100 mm	10 mm	15 mm	25 mm
<b>Field of View (HxV)</b>	60°x43.8°	36°x27°	24.6°x18.5°	14.9°x11.2°	11°x8°	88.5°x73.2°	40.0°x32.4°	24.6°x19.8°	17.7°x14.2°	7.5°x5.6°	5.0°x3.7°	3.74°x2.8°	12.4°x10.0°	8.3°x6.6°	6.2°x5.0°	36° x 27°	24.6°x18.5°	14.9°x11.2°
<b>MRAD</b>	2.42	1.7	1.13	0.68	0.49	2.42	1.13	0.68	0.49	0.34	0.23	0.17	0.34	0.23	0.17	1.70	1.13	0.68
<b>Minimum Focus Distance</b>	0.8 m	1 m	2.5 m	13 m	40 m	0.8 m	2.5 m	13 m	40 m	7.5 m	8 m	10 m	7.5 m	8 m	10 m	1 m	2.5 m	13 m
<b>Spectral Response</b>	8 μm to 14 μm					8 μm to 14 μm				8μm to 14μm			8μm to 14μm			8μm to 14μm		
<b>NETD</b>	<40mK					<40mK				<40mK			<40mK			<40mK		
<b>Pseudo Colors</b>	15					15				15			15			15		
<b>Image Enhancement</b>	3D DNR, Adaptive AGC, DDE					3D DNR, Adaptive AGC, DDE				3D DNR, Adaptive AGC, DDE			3D DNR, Adaptive AGC, DDE			3D DNR, Adaptive AGC, DDE		
<b>Pan/Tilt/Rotation</b>	3-axis Positioning					3-axis Positioning				3-axis Positioning			3-axis Positioning			3-axis Positioning		
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264/MJPEG					H.265+/H.265/H.264+/H.264/MJPEG				H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG		
<b>Main Stream (fps)</b>	50 @ 384x288					50 @ 640x512, 384x288, 352x288				50 @ 384x288			50 @ 384x288			50 @ 384x288		
<b>Sub Stream (fps)</b>	50 @ 384x288					50 @ 640x512, 384x288, 352x288				50 @ 384x288			50 @ 384x288			50 @ 384x288		
<b>Third Stream (fps)</b>	50 @ 384x288					50 @ 640x512, 384x288, 352x288				50 @ 384x288			50 @ 384x288			50 @ 384x288		
<b>Smart Features</b>	Line cross, Intrusion, Region Entrance/Exit, ROI					Line cross, Intrusion, Region Entrance/Exit, ROI				Line cross, Intrusion, Region Entrance/Exit			Line cross, Intrusion, Region Entrance/Exit			Line cross, Intrusion, Region Entrance/Exit		
<b>Alarm on Temperature</b>	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points and Regions					Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line and 10-Points and Regions				Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions			Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions			Accuracy: Max (±2°C ±2%), Temp range: -20 to 550°C range for 1-Line, 10-Points and 10 Regions		
<b>Accurate Fire Detection</b>	10 detections					10 detections				10 detections			10 detections			10 detections		
<b>Alarm Input/Output</b>	2/2, configurable					2/2, configurable				2/2, configurable			2/2, configurable			2/2, configurable		
<b>Audio Input/Output</b>	1/1					1/1				1/1			1/1			1/1		
<b>Local Storage</b>	MicroSD 64 GB max.					MicroSD 64 GB max.				MicroSD 64 GB max.			MicroSD 64 GB max.			MicroSD 64 GB max.		
<b>Ratings</b>	IP66, UL/cUL Listed					IP66, UL/cUL Listed				IP66 UL/cUL Listed			IP66 UL/cUL Listed			IP66 UL/cUL Listed		
<b>Operating Temperature Range</b>	-40° C to 65° C (-40° F to 149° F)					-40° C to 65° C (-40° F to 149° F)				-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)		
<b>Power Requirements (max.)</b>	24VAC, 12VDC/3A, PoE+ (802.3at), 22 W					24VAC, 12VDC/3A, PoE+ (802.3at), 22 W				24VAC, 12VDC/3A, 22 W			24VAC, 12VDC/3A, 22 W			POE+ (802.3at), 24VAC, 12VDC/3A, 20 W		

Standards: Complies with ONVIF (Profile S and G), ISAPI.



## THERMAL IMAGING CAMERA SYSTEMS


### OUTDOOR ACCURATE TEMPERATURE BULLET


### OUTDOOR STAINLESS STEEL BULLET

### OUTDOOR BI-SPECTRUM BULLET

### OUTDOOR BI-SPECTRUM PTZ DOME




	DS-2TD2166T-15/25		DS-2TD2466-25Y/50Y	
<b>Model</b>				
	RESOLUTION: High		RESOLUTION: High	
<b>Thermal Sensor</b>	Vanadium Oxide UFPA		Vanadium Oxide UFPA	
<b>Resolution/Pixel Pitch</b>	640x512/17 µm		640x512/17 µm	
<b>Thermal Lens</b>	15 mm	25 mm	25 mm	50 mm
<b>Field of View (HxV)</b>	39.9°x32.4°	24.6°x19.8°	24.6°x19.8°	12.4°x10.0°
<b>MRAD</b>	1.13	0.68	0.68	0.34
<b>Minimum Focus Distance</b>	2.5 m	13 m	2 m	5 m
<b>Spectral Response</b>	8µm to 14µm		8µm to 14µm	
<b>NETD</b>	<40mK		<40mK	
<b>Psuedo Colors</b>	15		15	
<b>Image Enhancement</b>	3D DNR, Adaptive AGC, DDE		3D DNR, Adaptive AGC, DDE	
<b>Pan/Tilt/Rotation</b>	3-axis Positioning		3-axis Positioning	
<b>Video Compression</b>	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	
<b>Main Stream (fps)</b>	50 @ 384x288		50 @ 640x512	
<b>Sub Stream (fps)</b>	50 @ 384x288		50 @ 640x512	
<b>Third Stream (fps)</b>	50 @ 384x288		50 @ 640x512	
<b>Smart Features</b>	Line cross, Intrusion, Region Entrance/Exit		Line cross, Intrusion, Region Entrance/Exit	
<b>Alarm on Temperature</b>	Accuracy: Max (±2°C ±2%), Temp range: -20 to 550°C range for 1-Line, 10-Points and 10 Regions		Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions	
<b>Accurate Fire Detection</b>	10 detections		10 detections	
<b>Alarm Input/Output</b>	2/2, configurable		2/2, configurable	
<b>Audio Input/Output</b>	1/1		1/1	
<b>Local Storage</b>	MicroSD 64 GB max.		MicroSD 64 GB max.	
<b>Ratings</b>	IP66 UL/cUL Listed		IP66 UL/cUL Listed	
<b>Operating Temperature Range</b>	-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)	
<b>Power Requirements (max.)</b>	POE+ (802.3at), 24VAC, 12V DC/3A, 22 W		POE+ (802.3at), 24VAC, 12V DC/3A, 22 W	

	DS-2TD2235D-25/50	
<b>Model</b>		
	RESOLUTION: Medium	
<b>Thermal Sensor</b>	Vanadium Oxide UFPA	
<b>Resolution / Pixel Pitch</b>	384x288/25 µm	
<b>Lens</b>	25 mm	50 mm
<b>Field of View</b>	21.7°x16.4°	11.0°x8.2°
<b>Spectral Response / NETD</b>	8µm to 14µm / <50mk	
<b>MRAD</b>	1	0.5
<b>Minimum Focus Distance</b>	13m	50m
<b>Psuedo Colors</b>	15	
<b>Optical Sensor</b>	1/1.8" progressive scan CMOS	
<b>Min. Illumination (lux)</b>	Color: 0.002 @ f/1.2, AGC On	
<b>Lens/Field of View</b>	11 mm (36.2°x20.9°)	23 mm (17.8°x10.1°)
<b>Day / Night</b>	TRUE	
<b>IR Range Max (meters)</b>	120m, Smart IR	
<b>Image Enhancement</b>	3D DNR, BLC, AWB, WDR (120dB), EIS, Defog	
<b>Smart Features</b>	Line cross, Intrusion, Region Entrance/Exit	
<b>Alarm on Temperature</b>	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions	
<b>Accurate Fire Detection</b>	10 detections	
<b>Video Compression</b>	H.264/MJPEG, H.264+ encoding with Baseline/Main/High Profile	
<b>Main Stream (fps)</b>	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	
<b>Sub Stream (fps)</b>	Thermal: 25 @ 160x120 Visible: 30 @ 704x480, 352x240, 176x120	
<b>Alarm Input/Output</b>	1/1	
<b>Audio Input/Output</b>	1/1	
<b>Local Storage</b>	MicroSD, 64 GB max.	
<b>Ratings</b>	IP66 UL/cUL Listed	
<b>Operating Temperature Range</b>	-40° C to 55° C (40° F to 131° F)	
<b>Power Requirements (max.)</b>	24VAC, 40 W	


	DS-2TD4035D-25/50	
<b>Model</b>		
	RESOLUTION: Medium	
<b>Thermal Sensor / Resolution / Pixel Pitch</b>	Vanadium Oxide UFPA / 384x288 / 25 µm	
<b>Lens / Field of View</b>	25 mm / 21.7°x16.4°	50 mm / 11.0°x8.2°
<b>Spectral Response / NETD</b>	8 µm to 14 µm / <50mK	
<b>Psuedo Colors</b>	15	
<b>Optical Sensor</b>	1/2.8" progressive scan CMOS	
<b>Min. Illumination (lux)</b>	Color: 0.3 @ f/1.6, 1/30 sec, 50 IRE, AGC On B/W: 0.02 @ f/1.6, 1/30 sec, 50 IRE, AGC On (True Day/Night)	
<b>Lens</b>	4.3 to 129.0 mm, motorized zoom, autofocus	
<b>Optical Zoom (Digital Zoom)</b>	30x (16x)	
<b>Pan Range / Tilt Range</b>	360° endless / -15° to 90° (auto flip)	
<b>Pan &amp; Tilt Speed (Manual)</b>	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.	
<b>Pan &amp; Tilt Speed (Preset)</b>	Pan: 240°/sec. Tilt: 200°/sec.	
<b>Image Enhancement</b>	BLC, 3D DNR, WDR, EIS	
<b>IR Range Max (Meters)</b>	150 m, Smart IR	
<b>Smart Features/Presets/Tours/Patterns</b>	PTZ Suite/300/8/4	
<b>Smart Tracking</b>	Linkage between thermal and visible; panorama and event tracking	
<b>Alarm on Temperature</b>	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions	
<b>Accurate Fire Detection</b>	10 detections with visible zoom, even while scanning	
<b>Video Compression</b>	H.264 (Base/Main/High Profile)/MJPEG/MPEG4	
<b>Main Stream (fps)</b>	Thermal: 25 @ 384x288 Visible: 30 @ 1920x1080, 1280x960, 1280x720	
<b>Sub Stream (fps)</b>	Thermal: 25 @ 384x288 Visible: 30 @ 704x480, 352x240, 176x120	
<b>Alarm Input/Output</b>	7/2	
<b>Audio Input/Output</b>	1/1	
<b>Local Storage</b>	MicroSD, 64 GB max.	
<b>Ratings</b>	IP66 UL/cUL Listed	
<b>Operating Temperature Range</b>	-40° C to 60° C (40° F to 140° F)	
<b>Power Requirements (max.)</b>	24VAC, 60W	

## THERMAL IMAGING CAMERA SYSTEMS

### OUTDOOR BI-SPECTRUM UPRIGHT PTZ

	DS-2TD4166-25/50	DS-2TD6135-50/75B2L	DS-2TD6166-50/75B2L
<b>Model</b>	 <span style="color: red; font-weight: bold;">NEW</span> <small>RESOLUTION: High</small> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">2 MP</span>	 <small>RESOLUTION: Medium</small> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">2 MP</span>	 <small>RESOLUTION: High</small> <span style="border: 1px solid red; border-radius: 50%; padding: 2px;">2 MP</span>
<b>Thermal Sensor / Resolution / Pixel Pitch</b>	Vanadium Oxide UFPA / 640x512 / 17µm		
<b>Lens / Field of View</b>	25mm/14.9°x11.2°   50mm/12.4°x10.0°	50mm / 11.0°x8.2°   75mm / 7.3°x5.5°	50mm / 12.4°x10.0°   75mm / 8.3°x6.6°
<b>Spectral Response / NETD</b>	8µm to 14µm / <40mK		
<b>Pseudo Colors</b>	15		
<b>Optical Sensor</b>	1/1.9" Progressive Scan CMOS		
<b>Min. Illumination (lux)</b>	Color: 0.02 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On (True Day/Night)		
<b>Lens</b>	5.7 to 205.2 mm, motorized zoom, autofocus		
<b>Optical Zoom (Digital Zoom)</b>	36x (16x)		
<b>Pan Range</b>	360° endless		
<b>Tilt Range</b>	-15° to 90° (auto flip)		
<b>Pan &amp; Tilt Speed (Manual)</b>	Pan: 0.1° to 160°/sec. Tilt: 0.1° to 120°/sec.		
<b>Pan &amp; Tilt Speed (Preset)</b>	Pan: 240°/sec. Tilt: 200°/sec.		
<b>Image Enhancement</b>	BLC, 3D DNR, WDR, EIS		
<b>IR Range Max (Meters)</b>	150m, Smart IR		
<b>Smart Features/Presets/Tours/Patterns</b>	PTZ Suite/300/8/4		
<b>Smart Tracking</b>	Linkage between thermal and visible; panorama and event tracking		
<b>Alarm on Temperature</b>	Accuracy: +/-8°C, Temp range: -20 to 150°C range for 1-Line, 10-Points and 10 Regions		
<b>Accurate Fire Detection</b>	10 detections with visible zoom, even while scanning		
<b>Video Compression</b>	H.264 (Baseline/Main/High Profile) / MJPEG/MPEG4/H.264+		
<b>Main Stream (fps)</b>	Thermal: 50 @ 640x512 Visible: 30 @ 1920x1080, 1280x960, 1280x720		
<b>Sub Stream (fps)</b>	Thermal: 50 @ 640x512 Visible: 30 @ 704x480, 352x240, 176x120		
<b>Alarm Input/Output</b>	7/2		
<b>Audio Input/Output</b>	1/1		
<b>Local Storage</b>	MicroSD, 64 GB max.		
<b>Ratings</b>	IP66 UL/cUL Listed		
<b>Operating Temperature Range</b>	-40° C to 60° C (40° F to 140° F)		
<b>Power Requirements (max.)</b>	24VAC, 60W		

### MONOCULAR HANDHELD CAMERA

	DS-2TS03-25UM/W
<b>Model</b>	 <span style="color: red; font-weight: bold;">NEW</span> <small>RESOLUTION: Medium</small>
<b>Thermal Sensor</b>	Vanadium Oxide UFPA
<b>Resolution / Pixel Pitch</b>	384x288 / 25 µm
<b>Thermal Lens / Field of View</b>	25 mm / 14.9° × 11.2°
<b>NETD / MRAD</b>	< 50mk / 0.68
<b>Spectral Response</b>	8µm to 14µm
<b>Image Enhancement</b>	3D DNR, Adaptive AGC, DDE
<b>Display</b>	1024x768, 0.39-inch, OLED
<b>Digital Zoom</b>	2x
<b>Color Palettes</b>	3
<b>Battery</b>	Built-in rechargeable Li-ion
<b>Battery Life</b>	Up to 5 hours
<b>Local Storage</b>	16 GB
<b>Interface</b>	USB
<b>Standards</b>	IP67
<b>Operating Temperature Range</b>	-30°C to 55°C (-22°F to 131°F)
<b>Power Requirements (max.)</b>	5V DC/2A, 2W

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# PanoVu Multi-Imager Cameras

The PanoVu Multi-Imager camera systems from Hikvision present a unique surveillance tool for large open areas, traffic circles or intersections, and any application looking to surveil a large public or private area with the least impact on infrastructure. These camera systems provide 180- or 360-degree stitched panoramic images from the system's cameras. Models are available with integrated PTZ camera with 3D positioning capabilities, allowing users to zoom into areas from the panoramic image with the PTZ, providing the ability to get incredible detail of specific targets or areas.

## Key Features

- Panoramic and Panoramic with PTZ Models
- 1/1.9-inch 2 MP Progressive Scan CMOS Sensors
- 8 MP and 16 MP models
- 180° and 360° Models
- Smart Tracking (PTZ Models)

## Applications




- Open Areas
- Safe City
- Boardwalk
- Stadiums
- Campus





## PANOVO MULTI IMAGER CAMERAS

### OUTDOOR PANOVO

	DS-2DP1636Z-D	DS-2DP0818Z-D	DS-2DP1636-D
<b>Model</b>	 <b>16 MP</b>	 <b>8 MP</b>	 <b>16 MP</b>
<b>Panoramic Image Sensors</b>	1/1.9" Progressive Scan CMOS (8)	1/1.9" Progressive Scan CMOS (4)	1/1.9" Progressive Scan CMOS (4)
<b>Min. Illumination (lux)</b>	Color: 0.005 lux @ f/2.2, AGC On B/W: 0.0005 lux @ f/2.2, AGC On	Color: 0.005 lux @ f/2.2, AGC On B/W: 0.0005 lux @ f/2.2, AGC On	Color: 0.005 lux @ f/2.2, AGC On B/W: 0.0005 lux @ f/2.2, AGC On
<b>Lens/ Horizontal Angle of View</b>	5mm (8), f/2.2/ 360° (2x180° stitched streams) at up to 4096x1800 @30 fps per stream	5mm (8), f/2.2/ 180° stitched stream at up to 4096x1800 @30 fps	4 mm (8), f/1.8/ 360° (2x180° stitched streams) at up to 2400x3840 @25 fps per stream
<b>Stitched Image(s) linkage to PTZ</b>	Yes, 3D intelligent positioning	Yes, 3D intelligent positioning	---
<b>PTZ Image Sensor / Megapixels</b>	1/1.9" Progressive Scan CMOS / 2.0	1/1.9" Progressive Scan CMOS / 2.0	1/1.9" Progressive Scan CMOS
<b>PTZ Lens</b>	5.7 to 205mm, 36x (16x digital)	5.7 to 205mm, 36x (16x digital)	---
<b>Min. Illumination (lux)</b>	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On (True Day/Night)	Color: 0.002 @ f/1.5, AGC On B/W: 0.0002 @ f/1.5, AGC On (True Day/Night)	Color: 0.004 @ f/1.8, AGC On B/W: 0.0004 @ f/1.8, AGC On
<b>Pan/Tilt Rotation</b>	Pan: 360° endless Tilt: -15° to 90° (autoflip)	Pan: 360° endless Tilt: -15° to 90° (autoflip)	Pan: ePTZ, 360° Tilt: 180°
<b>Pan &amp; Tilt Speed Manual / Preset</b>	Pan: 0.1° to 300° per sec. / 540° per sec. Tilt: 0.1° to 120° per sec. / 400° per sec.	Pan: 0.1° to 300° per sec. / 540° per sec. Tilt: 0.1° to 120° per sec. / 400° per sec.	---
<b>Image Enhancement</b>	3D DNR, BLC, AWB, WDR, EIS, Defog	3D DNR, BLC, AWB, WDR, EIS, Defog	3D DNR, BLC, WDR, Defog
<b>Smart Features/ Presets/Tours/Patterns</b>	PTZ Suite <sup>1</sup> / 300/8/4	PTZ Suite <sup>1</sup> / 300/8/4	---
<b>Smart Tracking</b>	Yes	Yes	No
<b>Video Compression</b>	H.264 (Base/Main/High Profile)/MJPEG	H.264 (Base/Main/High Profile)/MJPEG	H.264 (Base/Main/High Profile)/MJPEG
<b>Main Stream (fps)</b>	Panoramic: 2 x 30 @ 4096x1800, 3840x1680, 2720x1192 PTZ: 30 @ 1920x1080, 1280x960, 1280x720	Panoramic: 30 @ 4096x1800, 3840x1680, 2720x1192 2PTZ: 30 @ 1920x1080, 1280x960, 1280x720	2 x 25 @ 2400x3840, 1792x2880, 1600x2560, 1200x1920
<b>Sub Stream (fps)</b>	Panoramic: 2 x 30 @ 176x144, 352x288, 704x320 PTZ: 30 @ 704x480, 352x240, 176x120	Panoramic: 30 @ 176x144, 352x288, 704x320 PTZ: 30 @ 704x480, 352x240, 176x120	2 x 25 @ 320x512, 480x720
<b>Third Stream (fps)</b>	Panoramic: 2 x 30 @ 176x144, 352x288, 704x320, 1280x960, 1280x720, 1920x1080 PTZ: 30 @ 1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120	Panoramic: 30 @ 176x144, 352x288, 704x320, 1280x960, 1280x720, 1920x1080 PTZ: 30 @ 1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120	2 x 30 @ 2400x3840, 1200x1920
<b>Alarm Input/Output</b>	7/2	7/2	7/2
<b>Audio Input/Output</b>	2/1	2/1	1/1
<b>Local Storage</b>	MicroSD, 128 GB max.	MicroSD, 128 GB max.	MicroSD, 128 GB max.
<b>Ratings</b>	IP66 UL/cUL Listed	IP66 UL/cUL Listed	IP66 UL/cUL Listed
<b>Operating Temperature Range</b>	-40° C to 65° C (40° F to 149° F)	-40° C to 65° C (40° F to 149° F)	-40° C to 65° C (40° F to 149° F)
<b>Power Requirements (max.)</b>	36 VDC, 120W	36 VDC, 70W	36 VDC, 110W

Standards: Complies with ONVIF (Profile S and G), CGI ASAPI. Contact factory for details.; Command Protocols: Hikvision and Pelco D/P

<sup>1</sup>PTZ Suite: Line Crossing Detection, Intrusion Detection, Region Entrance, Region Exiting, Sudden Audio Increase/Decrease Detection, Audio Loss Detection, Defog

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