

AI Video Surveillance Solutions

See your way to safety and success with proven Financial Surveillance Solutions



Seeing & Understanding = Succeeding

Proven and cost-effective solutions from Hanwha Vision

Protect and Grow

AI Video Surveillance Solutions

- ▶ ATM operations
- ▶ Teller operations
- ▶ Employee vault access
- ▶ Loading dock operations
- ▶ Cash delivery operations

Growth and Insight Support

- ▶ Staff optimization
- ▶ Improved customer experience
- ▶ More impactful marketing and promotions
- ▶ Enhanced operational efficiency

The Hanwha Vision Difference

- ▶ Proven industry expertise and experience
- ▶ Easy integration with popular VMS solutions
- ▶ Fast, accurate compliance reporting
- ▶ Storage requirement compliance
- ▶ The power of Hanwha Group

GET STARTED TODAY ▶

Click through the navigation to view this ebook. Interactivity best viewed with Acrobat.

► Protect and Grow

End-to-End AI Video Solutions for the Finance Industry

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Protect and Grow

Traditional armed robberies continue their decades-long decline at financial institutions. But industrywide, security professionals are reporting a wide array of new attack methods emerging to take their place. And, the video surveillance and intrusion systems that have been deployed over the years are no longer sufficient to detect and deter these threats:

- **ATM-related crimes** have surged an astounding 600% since 2022, with the FBI reporting this trend as a “significant increase” requiring new enforcement strategies for:
 - Hook and chain attacks on exterior ATM/ITMs
 - Card skimming and PIN capture
 - ATM jackpotting attacks—where malware forces machines to dispense cash
 - Cash trapping devices inserted in ATMs
- **Insider crimes**, with the financial sector experiencing 38% of all insider threats and the industry with the highest costs for employee-based security breaches at approximately \$16 million as of 2024.
- **Jugging**—which is a fast-growing crime trend in which a thief follows a victim from a bank, credit union branch, or ATM in order to rob them of the cash they’ve just withdrawn.
- **Cash-in-transit heists**, which cause millions of dollars’ worth of losses, are being carried out with military-style weapons, chemical sprays to incapacitate guards, and sophisticated surveillance of armored car routes.

The cash supply chain—from delivery to withdrawal and deposit—includes many vulnerabilities that must be vigorously monitored, recorded, analyzed, and addressed.

And, Hanwha Vision delivers additional value and operational insight. Built-in business intelligence data including people counting, queue monitoring, vehicle statistics, and heatmap images allow visibility into:

- Enhanced operational efficiency
- Optimized staffing schedules
- Improved customer experience
- Amplified and strengthened marketing & promotional efforts



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For financial institutions, cash supplies and sensitive data are always under attack.

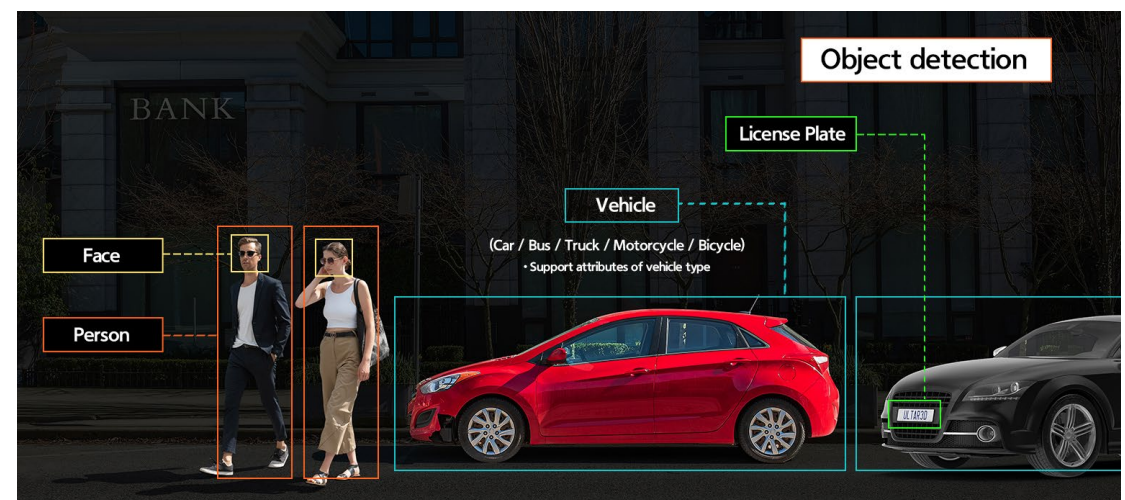
Armored vehicles approach buildings. Customers make withdrawals from ATMs or tellers. Bank employees process currency-based transactions and have access to sensitive company and customer data.

No matter what's happening in your facility, the potential for a catastrophic loss is always present. That's why Hanwha Vision AI Video Surveillance Solutions secure and deliver key insights for every part of your locations:

- ▶ ATM operations
- ▶ Teller operations
- ▶ Employee vault access
- ▶ Loading dock operations
- ▶ Cash delivery operations

With advanced AI deep-learning technology, our surveillance solutions help identify potential threats at their earliest warning signs, coordinate effective responses, and support forensic efforts, as select cameras generate:

- ▶ Metadata that includes information like a person's clothing color and accessories, vehicle type, color, and license plate, which can assist in more efficient forensic searching.
- ▶ A Detection Shot (a frame of the scene when an object is detected), which can be displayed in forensic search results to help an operator make a quick selection.



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ATM Operations

Your ATMs operate 24/7. And, even ones in the safest locations are susceptible to threats.

Skimming attacks have jumped 500% in recent years, while physical attackers use everything from explosives to sophisticated hacking tools to break the bank.

So, you need comprehensive protection that delivers the security benefits you require, and the comfort your customers want most.

The Hanwha Vision Difference

Covert ATM Solutions:

- ▶ 4 channel remote head camera with 2MP or 5MP discreet lens options
- ▶ Single channel 2MP remote head camera supports multiple lens options
- ▶ 4.6mm pinhole with 73° horizontal field of view
- ▶ 2.4mm lens with 137° horizontal field of view
- ▶ 1.6mm fisheye lens mobile with 187° horizontal field of view

Specialized ATM Integration:

- ▶ Mounting solutions that fit most major brand ATM/ITM lens positions



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Teller Operations

All teller interactions and transactions must be easily analyzed, but bulky surveillance equipment creates customer unease and discomfort. So, the key is balancing professional-grade cameras with elegant, discreet design.

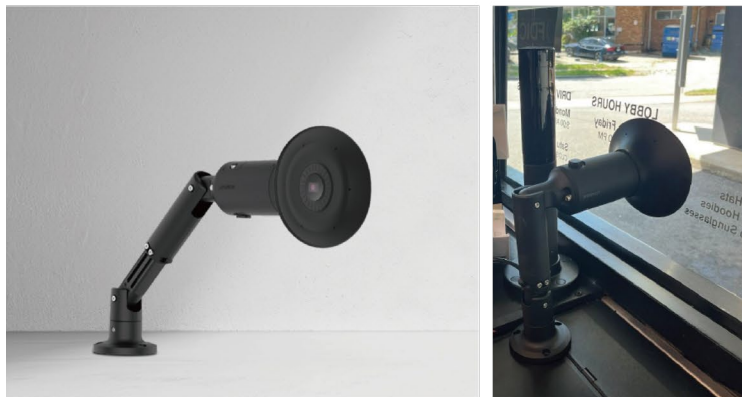
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Teller Tower Camera:

- ▶ Discreet counter or bullet resistant glass mount
- ▶ 2.4 mm (137°) or 2.8mm (117°) horizontal field of view covert lens behind tinted cover
- ▶ Aesthetically pleasing design

Drive-Thru Window Camera:

- ▶ 2.8mm (117°) horizontal field of view
- ▶ Flexible and secure mount
- ▶ Plastic cowl eliminates reflection
- ▶ Perforations eliminate condensation



2MP Drive-Thru Window Camera (PNM-C16013RVQ)



Teller Tower Camera (XNB-H6280B)

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Employee Vault Access

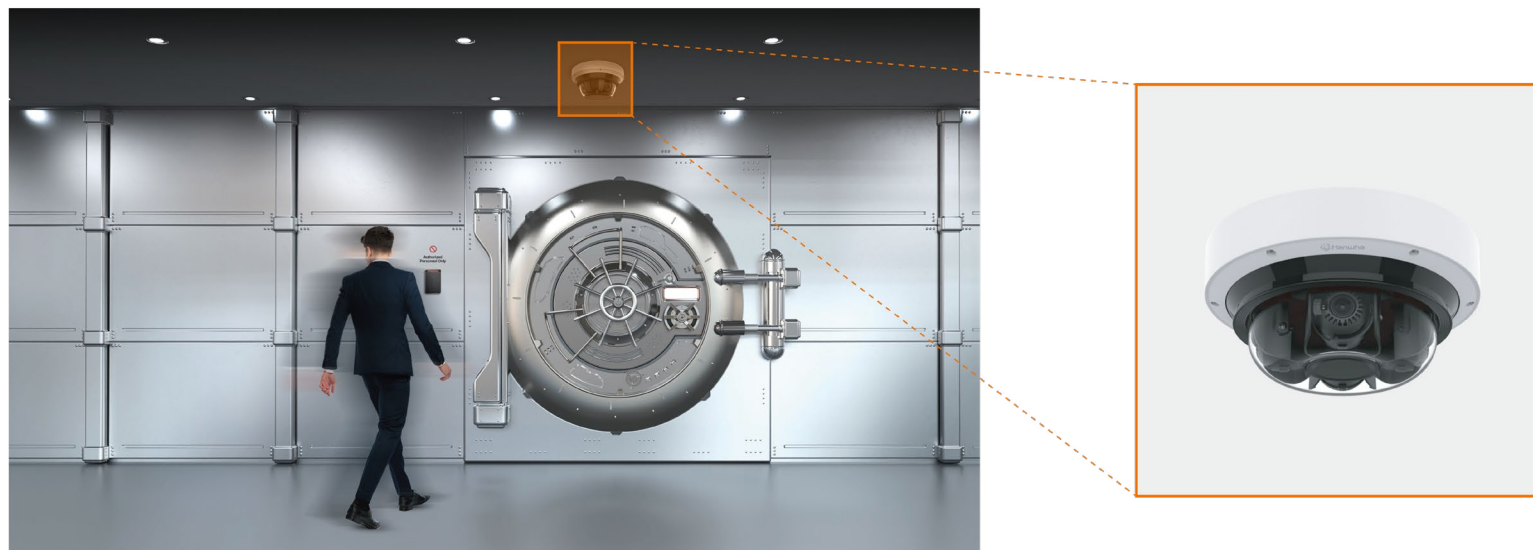
Vaults pose an ultimate challenge as they must have absolute security without operational paralysis.

Every access must be documented, every movement monitored, and every anomaly detected—all while your staff can freely and quickly go about bank business.

The Hanwha Vision Difference

Complete Interior Monitoring:

- ▶ At just 200mm x 80mm, mini multi-directional dome cameras for discreet comprehensive coverage
- ▶ Infrared (IR) capabilities for clarity in low-light and no-light conditions
- ▶ Hallway view optimization for maximum coverage in your narrow and confined spaces
- ▶ Bi-directional audio that delivers complete documentation of customer interaction



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Loading Dock Operations

Loading docks are one of the highest risk locations in the cash supply chain. Guards are exposed, money is visible, and criminals do their best to know exactly when deliveries occur. So, you need intelligent monitoring that actively prevents incidents and mitigates threats.

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Multi-Directional Coverage:

- ▶ 4-channel AI cameras with motorized pan/tilt/rotate/zoom for complete area coverage
- ▶ 6MPx2 AI outdoor dome cameras to monitor your perimeter approaches
- ▶ Multiple streaming with H.265, H.264, MJPEG codec support for simultaneous monitoring and recording

Intelligent Behavior Analysis:

- ▶ Directional detection to monitor unauthorized movements
- ▶ Audio detection that provides comprehensive incident awareness beyond your visual monitoring
- ▶ Crowd analysis that identifies unusual gatherings near your secure areas
- ▶ 24-7 surveillance monitoring to protect your locations at all times, especially during periods with low- or no-staff present



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Cash Delivery Operations

Criminals are increasingly using GPS tracking to monitor armored trucks, encrypted communications to coordinate attacks, and assault weapons to overwhelm security.

So, you need 360-degree protection before, during and after a vehicle's journey.

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Perimeter Security Integration:

- ▶ License plate recognition that identifies both authorized and unauthorized vehicles
- ▶ Loitering detection that spots surveillance teams monitoring your operations
- ▶ Perimeter analytics that create virtual security zones around your susceptible areas
- ▶ Real-time alerts that notify your security of potential threats

Mobile Security Solutions:

Hanwha Vision's T series AI mobile IR flat cameras deliver crystal-clear 5MP images and clear audio and intelligent analytics for mobile operations, ensuring safety and security for on-the-go applications.

Advanced Vehicle Multi-Channel Covert Cameras and Lenses:

- ▶ Extreme wide dynamic range (WDR) that maintain image quality during your sunrise and sunset deliveries
- ▶ Defog and digital image stabilization (DIS) that ensure clarity during adverse weather conditions
- ▶ Tampering and motion detection that provide real-time alerts for any interference
- ▶ A microSDXC memory slot that supports up to 256GB local storage for extended operations



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Growth and Insight Support

Look to your video surveillance solution to help you make your business better via:

- ▶ Staff optimization and customer experience
- ▶ Better marketing and promotions



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Staff Optimization and Customer Experience

For financial institution managers, few things are as frustrating as watching lines grow while half the customer service areas are unoccupied or paying overtime during what you thought would be slow periods.

With **Hanwha Vision's** robust AI business analytics, managers can successfully address these inefficiencies, generating insights needed to optimize staffing and resource allocation while improving service delivery.

Use our AI-enabled surveillance solutions to accurately quantify dwell time and reveal customer flow patterns through real-time alerts, and identify service bottlenecks as they develop—and not after customers start complaining. Ensure there is adequate support during the busiest periods, while avoiding the costly mistake of overstaffing—a balance that directly impacts your bottom line.

With precise, real-time data, managers can identify if any service problems stem from insufficient employee availability, staff performance, or something else entirely.

No more guessing. See your environment, and understand it in new ways.



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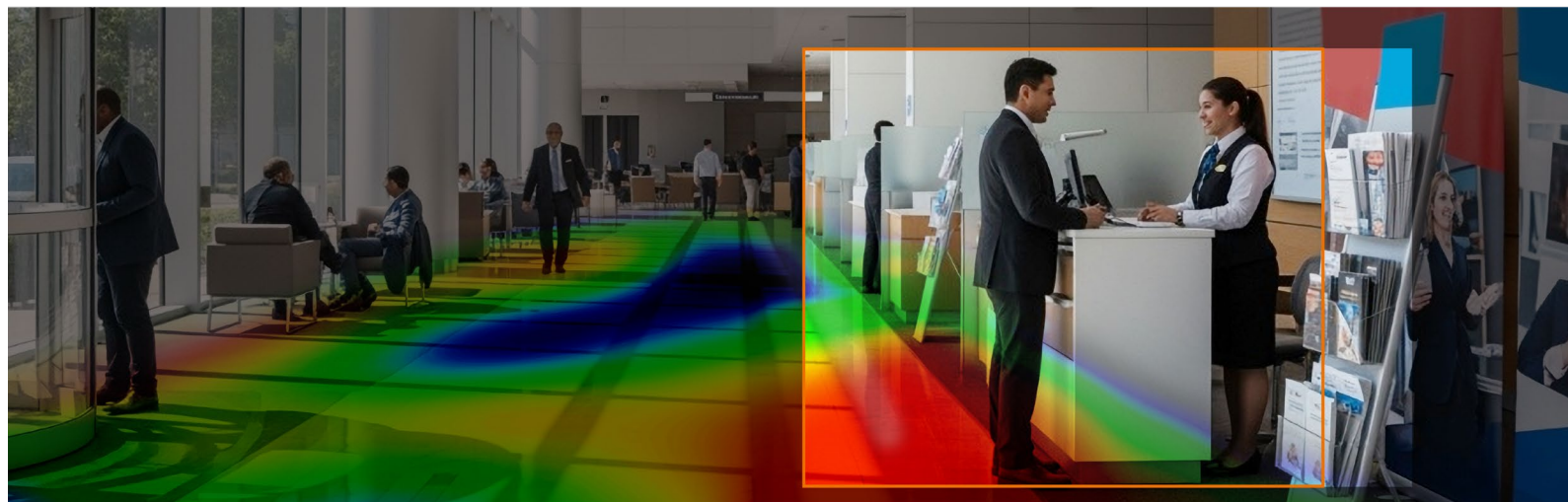
Financial institutions invest heavily in promoting their products and services. Marketing teams create beautiful materials, with onsite staff positioning them strategically.

Often, it takes weeks for sales data to indicate success or failure.

But with **Hanwha Vision** solutions, you can see—in real-time—exactly how consumers interact with your in-branch displays, product placements, and promotions.

So stop wondering, and see exactly how customers engage, precisely tracking which marketing items actually capture their attention. Then, correlate real-world physical behavior patterns with information from other CRM and sales tracking tools.

Your intel-based decisions will increase engagement rates, optimize your promotional spend, and create customer experiences that drive profitability and brand preference.



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The Hanwha Vision Difference

Hanwha Vision is a leading provider for the financial sector offering:

- Proven industry expertise and experience
- Easy integration with popular VMS solutions
- Compliance with NDAA, FCC, and TAA regulations and guidelines
- The highest levels of cybersecurity credentials
- Efficient bandwidth and storage management



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Proven Industry Expertise and Experience

Hanwha Vision's industry knowledge, customer-centric approach, and range of customizable surveillance solutions are why we serve Fortune 500 companies in every industry, including many of the world's leading financial services firms.

Our consultants, AI researchers, and implementation professionals combine technical and domain expertise, enabling them to successfully impact every part of a surveillance project, including:

- ▶ Concept planning and consultation
- ▶ Design review
- ▶ Deployment assistance
- ▶ Post-installation analysis and optimization support
- ▶ Training

These solutions empower you to maximize the effectiveness of your overall security systems while minimizing



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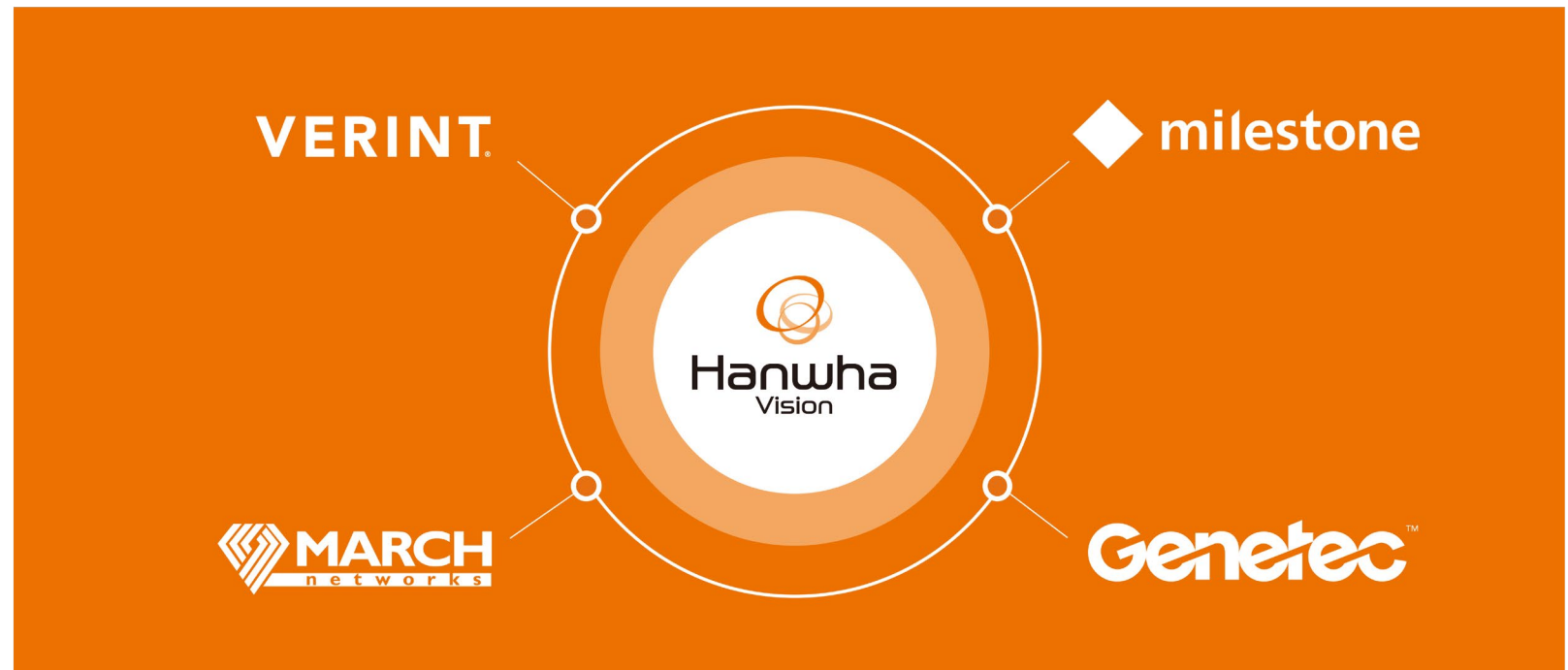
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Easy Integration with Popular VMS Solutions

Global financial organizations require security systems that can grow with their expansive networks and seamlessly connect with their existing infrastructure and equipment.

Hanwha Vision's solutions are highly scalable and easily integrate with a broad range of third-party video management systems. That's because Hanwha Vision cameras utilize SUNAPI, our common camera interface that is natively integrated into most VMS platforms.

They can also be supported via ONVIF protocol, including ONVIF Profile M supporting the AI meta-data. So, you can modify and optimize your security frameworks at your own pace—and without any worry or additional costs.



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Fast, Accurate Compliance Reporting

Fulfilling your internal and external reporting requirements is made easier with integrated Hanwha Vision surveillance systems.

By automatically tagging video footage with relevant metadata—including time, location, people involved, and their specific behaviors—you get an easy, searchable audit trail. This audit trail can simplify internal reporting and, in the case of incident tracking, provide easily searchable evidence for the proper authorities.



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Efficient Bandwidth and Storage Management

By utilizing **Hanwha Vision's** advanced algorithms for video compression, you can meet or exceed suggested industry guidelines for video storage. H.265 encoding combined with WiseStreamIII, our innovative technology, effectively maintains high quality while significantly reducing data sizes.

Plus, WiseStreamIII can process more footage without the need for additional network and storage devices, providing you with valuable CapEx savings.



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Hanwha Vision is an affiliate of Hanwha Group family, a diversified Global Fortune 500 conglomerate that has distinct leadership positions in key global growth markets, including aerospace, clean energy, defense, finance, and retail & services.

Headquartered in South Korea, Hanwha Group has annual revenues that exceed \$60 billion.

[Learn more at Hanwha.com](https://www.hanwha.com)



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