



180° & 360° Fisheye Network Cameras

Surveillance with a New Perspective

Panoramic Network Camera Series

180° Views - Broadest Surveillance Coverage

VIVOTEK provides the most extensive line of 180° panoramic solutions in IP surveillance. By covering such a wide view in a single video/image, it provides users with the simplest method for situational surveillance. With practically no loss of angles for blind spots, events can be fully captured. VIVOTEK's 180° panoramic solutions are available in a wide range of megapixel resolutions and housings, suitable for a diverse range of applications including retail, education, transportation, and many more.



CC8160



CC8370-HV



CC8371-HV



MS9390-HV



MS8391-EV



MS8392-EV

High-Quality Surveillance

Along with offering amazing 180° HFOV coverage, VIVOTEK Panoramic Network Cameras also incorporate other value-added features. For high contrast lighting environments, WDR Pro is available on some models (CC8370-HV, CC8371-HV, MS9390-HV). Then for day/night surveillance where external lighting is not available, these models have built-in panoramic IR illuminators (CC8371-HV, MS9390-HV, MS8391-EV) to ensure 24/7 coverage.

Panoramic IR Distance

CC8371-HV		15M	
MS9390-HV		20M	
MS8391-EV		30M	

Panoramic Network Camera Series

180° Views - Broadest Surveillance Coverage

Fulfill Wide Coverage Scenarios

Just as there are different domes or bullet cameras for different situations, the same goes for 180° panoramic solutions. VIVOTEK provides three different segments of panoramic solutions, each designed for different environments and coverage distances. The compact sized CC line utilizes a single fisheye lens to provide recognition up to 10m, with both indoor and outdoor options available. The new outdoor MS9390-HV utilizes 2 images stitched together to provide an 8MP panoramic image, great for recognition up to 20m. Then for the most extensive coverage, VIVOTEK offers both the MS8391-EV and MS8392-EV in 12MP. Both solutions offer day/night video via 4 images stitched together to provide the furthest coverage.

Various Applications

CC Series Retail, Education, Residential, Banking, Commercial, Healthcare, Hospitality	 Lens x1, 2-3MP	 
MS9390-HV Transportation, Education, Parking, Restaurant, Industrial, Healthcare, Hospitality	 Lens x2, 8MP	 
MS8391/92-EV Airports, Transportation, Education, Parking, City/Government, Critical Infrastructure	 Lens x4, 12MP	 

180° Application Suggestion

Model	Retail	Education	Residential	Industrial	Commercial	Banking	Hospitality	Transportation	Gaming	Healthcare	City/ Government	Parking	Airport	Crit. Infrastructure
 CC8160	V	V	V	-	V	V	V	-	V	V	-	-	-	-
 CC8160(HS)	V	-	-	-	-	V	-	-	-	-	-	-	-	-
 CC8370-HV	V	V	V	V	V	V	V	V	V	V	-	V	-	-
 CC8371-HV	V	V	V	V	V	V	V	V	V	V	-	V	-	-
 MS9390-HV	-	V	V	V	V	-	V	V	V	V	V	V	V	V
 MS8391-EV	-	V	-	V	-	-	-	V	-	-	V	V	V	V
 MS8392-EV	-	V	-	V	-	-	-	V	-	-	V	V	V	V

Fisheye Network Camera Series

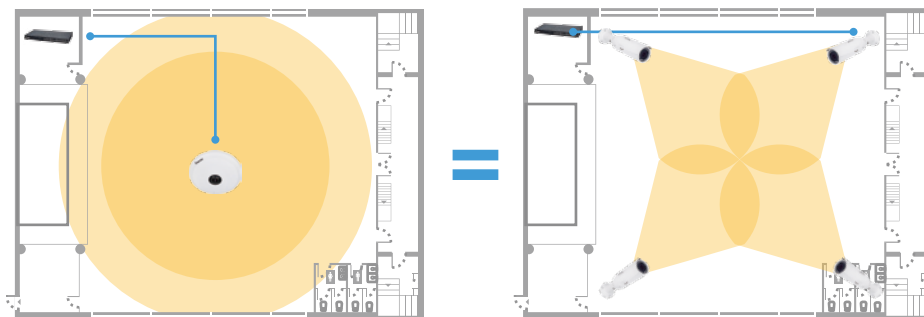
360° Views - Total Surveillance Coverage

VIVOTEK is firmly committed to the development of outstanding fisheye network cameras, providing 180° panoramic viewing (wall mount) or 360° surround viewing (ceiling mount), featuring a wide range of megapixel resolutions, housings, and value-added functions in order to satisfy the needs of a diverse range of applications. With the best dewarping algorithm in IP surveillance VIVOTEK fisheye cameras allow users to digitally pan/tilt/zoom on archived 360° video, providing a simple and unique way to see more from surveillance. This provides a great monitoring advantage for vertical markets such as retail, education, transportation, and many more.



Situational Surveillance

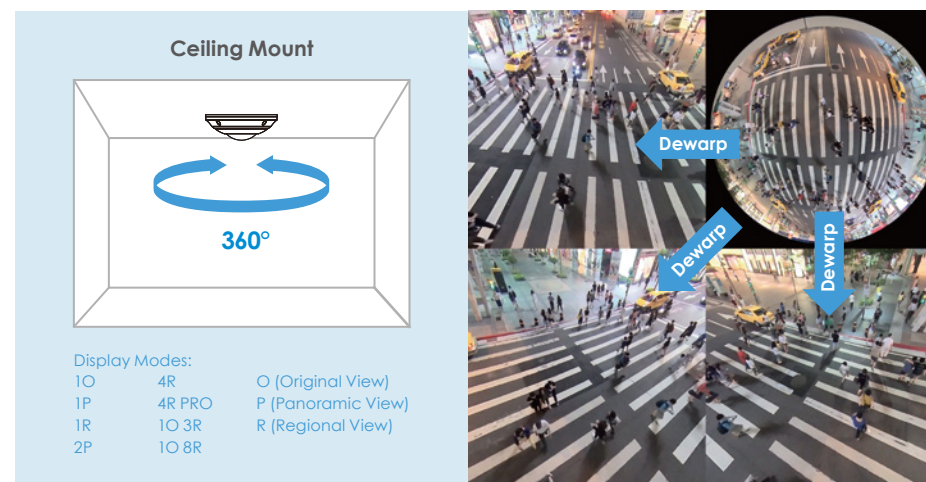
Fisheye Network Cameras provide 360° surround views in open areas. A single Fisheye Network Camera can provide coverage of an entire area rather than just one region of that same space. By using a 360° Fisheye Network Camera, the amount of cameras needed for security can be greatly reduced.



Fisheye Network Camera x1

CCTV x4

Many Display Modes



10 3R

Fisheye Network Camera Series

360° Views - Total Surveillance Coverage

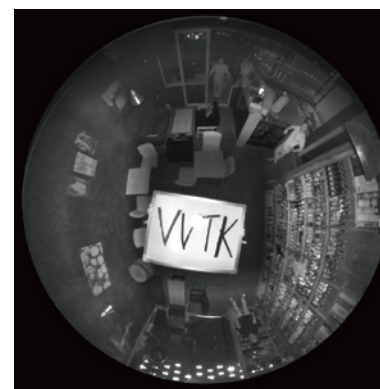
360° High-Uniformity IR

Improve low lux performance by adding built-in IR illuminators and adopting Smart IR II technology - Adaptive IR so that the camera is able to record useful images even in challenging low light conditions.

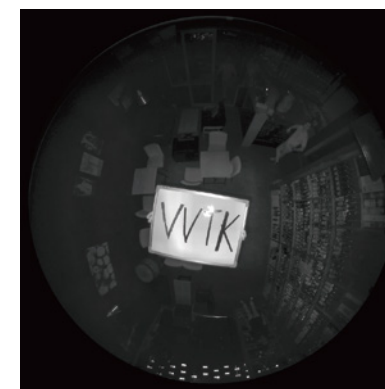
* Supported model: FE9391-EV



Independent IR control for regional illumination



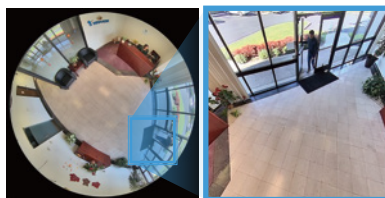
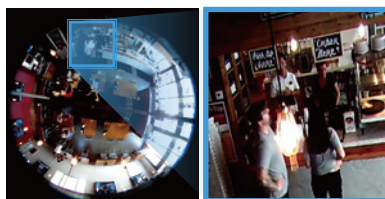
Adaptive IR On



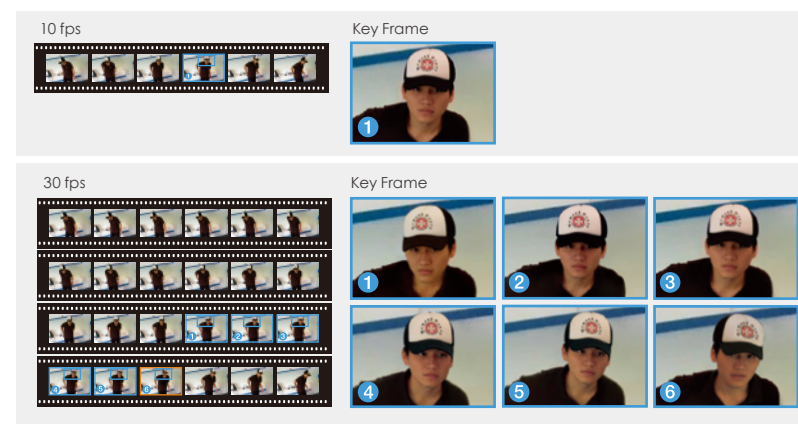
Adaptive IR Off

High-Quality Surveillance

Along with offering amazing 360° coverage, VIVOTEK Fisheye Network Cameras also incorporate other value-added features. All 5MP Fisheye models now include WDR Pro, enabling high quality imagery in high contrast environments. 5 models now support 30fps, allowing for improved tracking of subjects. And all models have built-in microphones where sound recording or detection is needed.



WDR Pro On



30 fps

Fisheye Network Camera Series

360° Views - Total Surveillance Coverage

Variety of Installation

VIVOTEK 360° Fisheye Network Cameras can be deployed in many applications using the vast array of VIVOTEK accessories available.

Various Applications with Complete Product Line

VIVOTEK offers a complete line of 360° products and are suitable for various applications including, but not limited to Retail, Education, Industrial, Commercial, Banking, Hotels, Transportation, Gaming, Hospitality, and more. From discreet, recessed housings to outdoor weatherproof to transportation certified, VIVOTEK 360° Fisheye Network Cameras have you covered.



360° Application Suggestion

Model	Retail	Education	Industrial	Commercial	Banking	Hospitality	Transportation	Gaming	Healthcare	City Surv.	Parking
 FE8182	V	V	-	V	V	V	-	V	V	-	-
 FE9180-H	V	V	-	V	V	V	-	V	V	-	-
 FE9181-H	V	V	-	V	V	V	-	V	V	-	-
 FE9182-H	V	V	-	V	V	V	-	V	V	-	-
 FE9191	V	V	-	V	V	V	-	-	V	-	-
 FE9381-EHV	-	V	V	V	-	V	V	V	-	V	V
 FE9382-EHV FE9582-EHNV	-	V	V	V	-	V	V	V	-	V	V
 FE9391-EV	-	V	V	V	-	V	V	-	-	V	V

180° Network Cameras



Model	CC8160	CC8160(HS)	CC8370-HV	CC8371-HV	MS9390-HV	MS8391-EV	MS8392-EV
Max. Sensor Resolution	1920x1080 (2MP)	1920x1080 (2MP)	2048x1536 (3MP)	2048x1536 (3MP)	4512x1728 (8MP)	7552x1416 (12MP)	7552x1416 (12MP)
Max. Frame Rate	30 fps @ 1920x1080	30 fps @ 1920x1080	30 fps @ 2048x1536	30 fps @ 2048x1536	30 fps @ 4512x1728	7 fps @ 7552x1416	7 fps @ 7552x1416
Field of View	180° (H) 100° (V)	180° (H) 100° (V)	180° (H) 130° (V)	180° (H) 120° (V)	180° (H) 68° (V)	180° (H) 34° (V)	180° (H) 34° (V)
IR Illuminators	-	-	-	15M	20M	30M	-
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.265/H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Built-in Mic	✓	-	✓	✓	✓	-	-
Audio Compression	G.711, G.726	-	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
3DNR	✓	✓	✓	✓	✓	-	-
WDR Tech.	WDR Enhanced	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro	WDR Enhanced	WDR Enhanced
SNV Tech. (Low Light)	-	-	✓	✓	✓	-	-
Smart IR Tech.	-	-	-	Smart IR	Smart IR	Smart IR	-
On-board Storage	-	-	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Dimension	28 x 50 x 88 mm	28 x 50 x 867 mm	115 x 65 x 59 mm	160 x 72 x 60 mm	165 x 119 x 100 mm (with sunshield)	Ø 130 x 123 x 275 mm	Ø 155 x 148 mm (with sunshield)
Housing	-	-	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10	IP66, IK10

360° Network Cameras



Model	FE8182	FE9180-H	FE9181-H FE9381-EHV	FE9182-H FE9382-EHV	FE9582-EHNV	FE9191 FE9391-EV
Max. Sensor Resolution	2560x1920 (5MP)	2560x1920 (5MP)	3096x2094 (5MP)	3096x2094 (5MP)	3096x2094 (5MP)	4000x3000 (12MP)
Max. Frame Rate	15 fps @ 1920x1920	15 fps @ 1920x1920	30 fps @ 1920x1920	30 fps @ 1920x1920	30 fps @ 1920x1920	20 fps @ 2816x2816
Field of View	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)	180° (H) 180° (V)
IR Illuminators	-	-	-	20M	10M	FE9391-EV: 20M
Video Compression	H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Built-in Mic	✓	✓	✓	✓	✓	✓
Audio Compression	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726	G.711, G.726
3DNR	✓	✓	✓	✓	✓	✓
WDR Tech.	WDR Enhanced	WDR Pro	WDR Pro	WDR Pro	WDR Pro	WDR Enhanced
Smart IR Tech.	-	-	-	Smart IR	Smart IR	FE9391-EV: Smart IR II
On-board Storage	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot	MicroSD/SDHC/SDXC card slot
Dimension	Ø 60 x 102.5 mm	94 x 39 mm (with bracket)	FE9181-H: Ø 139 x 38 mm FE9381-EHV: Ø 145 x 50 mm	FE9182-H: Ø 160 x 39 mm FE9382-EHV: Ø 160 x 51 mm	Ø 160 x 51 mm	FE9191: Ø 139 x 37 mm FE9391-EV: Ø 160 x 62 mm
Housing	-	-	FE9381-EHV: IP66, IK10	FE9382-EHV: IP66, IK10	IP66, IK10	FE9391-EV: IP66, IK10
Approval	-	-	FE9381-EHV: EN50155	FE9382-EHV: EN50155	EN50155, EN45545	FE9391-EV: EN50155