



Behind Every Successful Brand There Is Always **MATRICAM**

Only the Best Megapixel IP Cameras

H.264, Day/Night, WDR, Onboard Storage
Low MOQ for OEM/ODM



GW INSTEK

A Commitment to Quality IP Cameras and Network Video Products

MatriCam is a 100% made-in-Taiwan surveillance network video product manufacturer committed to designing and producing only the highest quality IP cameras, recorders and VMS for OEM/ODM and large enterprise projects. We have introduced industrial standard quality management programs and testing applications in our manufacturing process to provide our OEM/ODM customer outstanding video image quality without equal. Furthermore, our manufacturing facilities also adhere to ISO quality and environmental management standards, as well as European CE safety regulations.

Low MOQ and Flexible Model Combination

We understand the business needs of the emerging IP surveillance market. We have a low minimum order quantity and the expertise necessary to customize IP cameras from the bottom up to meet your requirements. Choosing the right solution partner will help you ride the trend and quickly dominate your market share. We are ready to work with you from the start.

Camera-Type	Box-Type		Bullet-Type	Dome-Type	
					
Product Base Models					
Model	1MP Camera	2MP Camera	1MP Camera	1MP Camera	2MP Camera
Image Sensor	1/4" CMOS	1/3.2" CMOS	1/4" CMOS	1/4" CMOS	1/3.2" CMOS
Min. Illumination	Color Mode : 2.5 lux @ F1.0 B/W Mode : 0.5 lux @ F1.0		Color Mode : 2.5 lux @ F1.0 B/W Mode : 0.5 lux @ F1.0 0 Lux with Built-in IR		Color Mode : 2.5 lux @ F1.0 B/W Mode : 0.5 lux @ F1.0 0 Lux with Built-in IR
Built-in LED	n/a		Built-in IR LED (15m)	Built-in IR LED (15m)	Built-in IR LED (10m)
Max. Resolution	1280 x 800	1600 x 1200	1280 x 800	1280 x 800	1600 x 1200
Max. FPS	30fps at 1280 x 800	15fps at 1600 x 1200 30fps at 1280 x 800	30fps at 1280 x 800	30fps at 1280 x 800	15fps at 1600 x 1200 30fps at 1280 x 800
Compression	Multi-Streaming H.264 / MPEG-4 / MJPEG		Multi-Streaming H.264 / MPEG-4 / MJPEG		Multi-Streaming H.264 / MPEG-4 / MJPEG
Audio Supported	Two-way Audio Supported		Two-way Audio Supported		Two-way Audio Supported
DI/DO	2/2		2/2		1/1
OED/ODM Optional Configuration					
	1MP Camera	2MP Camera	1MP indoor Camera	1MP Camera	2MP Camera
Focal Lens / ICR / Auto-Iris / Auto-Focus	Lens is not included		Vari-Focal ICR / Auto-Iris / Auto-Focus Fixed Focal ICR	Vari-Focal ICR / Auto-Iris	Fixed Focal ICR
SD Card Slot	- SD / SDHC -None		- SD / SDHC -None	- Micro SDHC -None	
Power Input	- DC 12V -DC 12V + AC 24V + PoE		- DC 12V -DC 12V + AC 24V + PoE	- DC 12V -DC 12V + PoE	
Housing	n/a		- IP66 Supported -None	- IP66 + Vandal-Proof Supported -None	

Core Technology

Smart Focus

No longer do you need to spend those frustrating sessions with one person on a ladder and another person on a workstation to adjust a camera's zoom and focus. Now, remotely adjust your camera's zoom and focus via a web interface saving you time, resources and headache.



Image Color Enhancing

MatriCam leverages an independent Image Sensor Processor (ISP) to enhance high video qualities in a wide range of lighting environments. The ISP receives the captured image from the sensor and runs it through MatriCam's algorithm to adjust the image's color, contrast, sharpness and brightness parameters automatically for color display optimization in various lighting conditions.

3D Non-Blur Technology

When a network camera is in a poor lighting environment, the small movement of objects will cause the image to be blurred due to low exposure. MatriCam's research team developed proprietary 3D Non-Blur technology to reduce noise and increase AGC to obtain brighter images and greatly reduce motion blur.



Outstanding Image Under Low Illumination

MatriCam overcomes deficient images generated from network cameras placed in dark areas by introducing DNR technology. Advanced DNR technology reduces noise from the images without sacrificing the frame rate to keep capturing clear images at 30fps.

Advanced WDR

When an object has back lighting with excessive variations of illumination, the details of object may become difficult to distinguish. MatriCam's network cameras provide a solution to handle this high contrast lighting environment by integrating an advanced WDR sensor, mixing long and short exposure images to ameliorate the captured details.



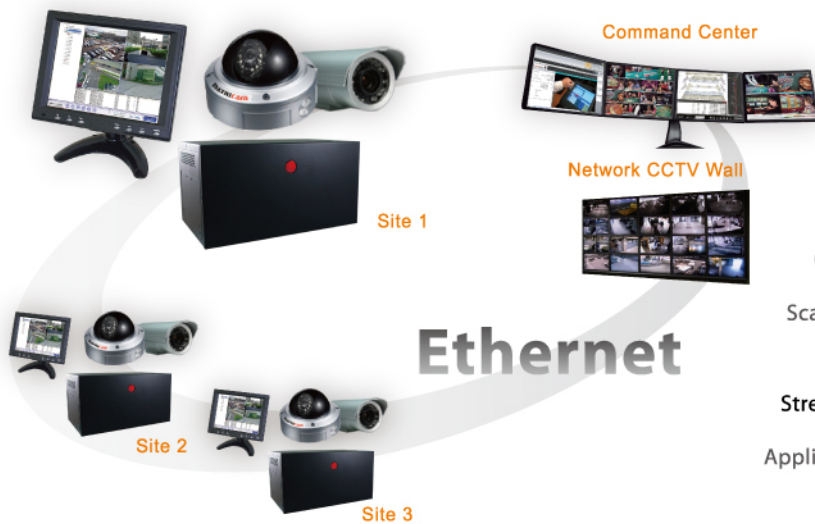
NVR Solutions

Free Bundled NVR Software - MatriView

- Manage Up to 36 IP Cameras
- Support MJPEG, MPEG4, H.264
- High Quality Real Time Live / Playback Video
- Motion Detection
- Multiplex View and Focus View Layout
- Event Alert
- Camera Tour
- Smart IP Camera Search
- Export Video to AVI Files



Advanced NVR Solution



	Standalone	Client/Server
OS	Windows Embedded	Linux
Control	Local Only	Local and Remote
Scalability	32 CH	Unlimited
Video Streaming	None	Built-in Live and Playback Streaming Server
Applications	SMB, Retail	Enterprise, Franchise, School, Hospital, Bank



Turn-Key Solution

Features:

- Support SD and Mega Pixel IP Cameras
- 2 Swappable Hard Disk Bays
- Stable and Secure Application on Linux OS
- Spot Monitor Video Output



Software in USB DOM

USB DOM Advantages:

- Open Platform
- Linux for Excellent Stability and Virus Protection
- No Single Point of Failure Due to HDD Malfunction
- Minimal Installation Time



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GW INSTEK CORPORATION

No. 7-1, Jhongsing Rd., Tucheng Dist., New Taipei City 236, Taiwan

T: +886-2-2914-1839 Ext. 421

F: +886-2-2910-1803

E-mail: sales@matricam.com

www.matricam.com