

You can only catch what you can see



Scan me

IP CAMERA

WWW.MAG.COM.MY

7 reasons why you should choose MAG IP Camera and NVR.

1 More secure

Human can't be looking at the screen 24/7, make mistake and can be compromised. Camera's advanced **AI detection** continuously monitor and send alarm notification to you instantly. NVR's **Smart Search** automatically fast forward non important video while **VCA** allow you to search by behaviour, face and people counting. All these AI assisted playback in NVR help you search for your evidence faster. Let our AI technology help you enhance security level by exceeding human limitation.



Face detection.



Cross line detection.



Intrusion detection.



Object removal detection.



VCA playback by face.

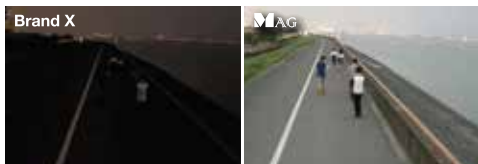
non-important event



Smart search important event

2 See better day and night

Most crime happens at night. MAG IP camera **Starlight** features allow you to still see color images at near darkness of incredibly low 0.0005 Lux. Unlike any other Starlight camera in the market, MAG low-blur mode ensure you still see clearly in fast moving scene. Our **Smart IR** video algorithm is capable to judge the distance between objects and camera, so it can adjust IR intensity automatically to reduce over exposure. MAG helps you capture precious evidence of what human eye cannot see at night. MAG IP camera advance DSP offer **Wide Dynamic Range (WDR)**, **HLC**, **corridor mode** and **Fish Eye** to accommodate daily challenges in capturing usable images.



Starlight



Low-blur mode



Smart IR



WDR on

WDR off



HLC on

HLC off



Corridor mode off







Corridor mode on



Fish eye and dewarp by NVR

3 Record longer with more camera

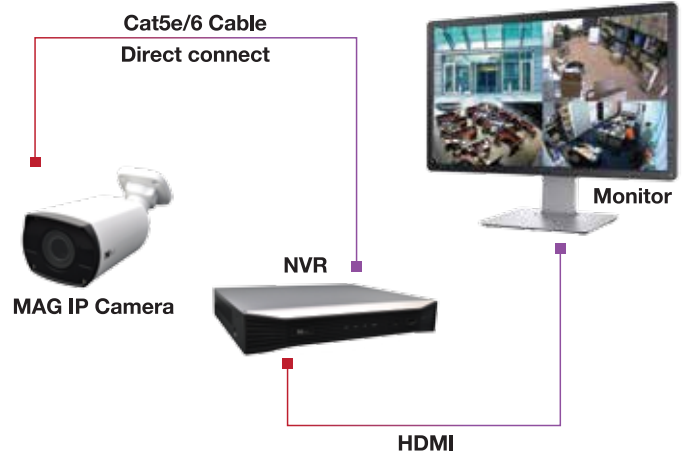
Standard H.265 is enhanced with U-Code to create **Ultra 265** that can compress video to become smaller thus reducing up to 95% bandwidth and storage space. Lower bandwidth allow more camera to be connected in the same network. Lower storage space allow you to record longer period of time.

	old H.264	our latest Ultra 265
How many hard disks needed to store 4CH 2MP IP camera for 3 month?		
How many 2MP cameras can be carried by a 20MB broadband network?		

4 More convenient to add more camera

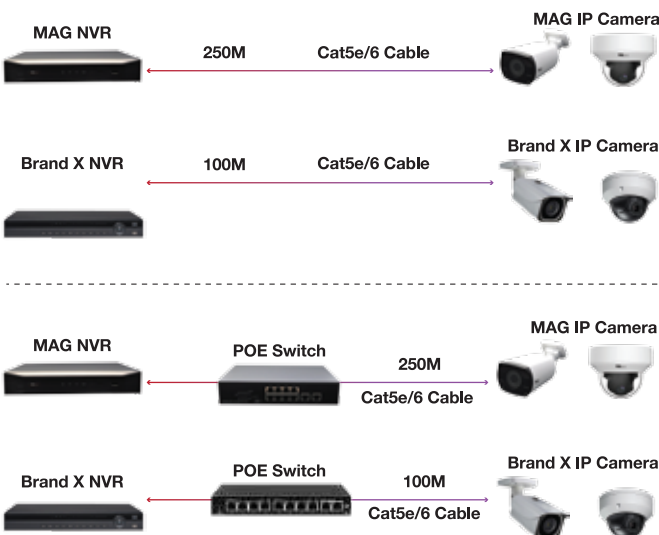
Conventional NVR requires manual IP address and complicated IT setting configuration in order to setup the cameras. MAG NVR (built in POE) **Plug&Play** technology auto detects and configure all direct connected camera so that you can start seeing live video in just 3 minute.

You can easily add more camera, NVR or POE switch to any nearest network point within the building with minimum wiring works. This benefit of **scalability** and **flexibility** is important to accomodate your future growing needs.



5 Reduce installation cost and time

MAG IP camera, NVR and POE switches can run up to 250 meter without any extra cost of intermediate hub by using our Cat5e/6 cables. **Power-Over-Ethernet (POE)** allows same network cable to transmit power together with data. No longer require separate power cable or extra power supply thus greatly reducing installation cost and time. NVR show total POE power available and consumption per camera to help you troubleshoot faster.



6 Never lose your video

MAG IP camera **Automatic Network Recovery (ANR)** technology uses built-in micro SD card slot (applicable for certain model only) to store video up to 256GB when the connection between IP camera and NVR is interrupted. IP camera will automatically send stored video back to NVR once connection resumed.

NVR support external NAS (network disk) for storage expansion or recording backup. MAG NVR (applicable for 16/32ch NVR only) can accommodate up to 8 NAS disks. Our NVR can support different NAS brands such as Synology, NETGEAR, WD, QNAP, etc.

It is important that you don't miss out any potential evidence in your video recording even during system down interval.



7 Future proof

In short future, we anticipate most analog camera will be replaced by IP camera due to Internet-Of-Thing (IOT) revolution. Therefore it is better to lay Cat5 cable and install IP camera now so that your building is prepared for the future. MAG IP camera is well supported by strong backend video server, advanced multiple RAID redundancy, N+1 backup server, Wall display, Master/Standby HOT spare video server and multi network Central Monitoring Software to accommodate future expansion of your building.



IP Camera - Bullet Specification

Optional accessories



POE Switch 8 Port



POE Switch 16 Port



Cat5e / 6 Cable

	CM52010	CM55000	CM54006	CM52002	CM52003	CM55002
Model						
Series	Entry	Entry	Enhanced	Enhanced	Enhanced	Expert
Category	Budget	Budget	AI	Motorized	Starlight	AI Full Motor
Resolution	2MP	5MP	4MP	2MP	2MP	5MP
Built-in POE	Yes	Yes	Yes	Yes	Yes	Yes
Lens	4.0 mm	4.0 mm	3.6 mm	2.8-12 mm	4.0 mm	2.7-13.5 mm
Sensor	1/2.7", progressive scan, CMOS	1/2.7", progressive scan, CMOS	1/3", progressive scan, CMOS	1/2.7", progressive scan, CMOS	1/2.8", progressive scan, CMOS	1/2.7", progressive scan, CMOS
Corridor mode	No	No	Yes	Yes	Yes	Yes
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)	Up to 50m (164ft)	Up to 50m (164ft)
Alarm input / output	-	-	-	-	-	1/1
Ingress Protection	IP67	IP67	IP67	IP67	IP67	IP67
Vandal Resistant	-	-	-	-	IK10	-
WDR (Wide Dynamic Range)	DWDR	DWDR	120dB	DWDR	120dB	120dB
Audio input / output	-	-	-	-	-	1/1
Storage	No	No	No	No	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (L x W x H)	167.3 x 62.9 x 62.7mm	167.3 x 62.9 x 62.7mm	157.3 x 62.4 x 63mm	240.3 x 86.4 x 75.6mm	253.4 x 86 x 71.7mm	253.4 x 86 x 71.7mm
Smart Function/AI	No	No	Intrusion detection, crossline detection, motion detection, face detection, defocus, scene change, object abandon, object removal, people counting	Motorized zoom lens	Intrusion detection, crossline detection, motion detection, face detection, defocus, scene change, object abandon, object removal, people counting, starlight illumination	Intrusion detection, crossline detection, motion detection, face detection, audio detection, defocus, scene change, object abandon, object removal, people counting, starlight illumination, built-in motorized lens for remote zoom

IP Camera - Dome Specification

Optional accessories



Speaker



Microphone

	CM42010	CM45000	CM44006	CM44007	CM45002	CM42005
Model						
Series	Entry	Entry	Enhanced	Enhanced	Expert	Expert
Category	Budget	Budget	AI	Fish Eye	AI Full Motor	Entry Level
Resolution	2MP	5MP	4MP	4MP	5MP	2MP
Built-in POE	Yes	Yes	Yes	Yes	Yes	Yes
Lens	4.0mm	4.0mm	3.6mm	1.6mm	2.7-13.5mm	5.2-114.4mm
Sensor	1/2.7", progressive scan, CMOS	1/2.7", progressive scan, CMOS	1/3", progressive scan, CMOS	1/3", progressive scan, CMOS	1/2.7", progressive scan, CMOS	1/2.9", progressive scan, CMOS
Corridor mode	No	No	Yes	Yes	Yes	Yes
IR Range	Up to 30m (98ft)	Up to 30m (98ft)	Up to 30m (98ft)	UP to 10m (33ft)	Up to 30m (98ft)	UP to 150m (492ft)
Alarm input/output	-	-	1/1	1/1	1/1	1/1
Ingress Protection	IP67	IP67	IP67	IP66	IP67	IP66
Vandal Resistant	-	IK10	IK10	IK10	IK10	-
WDR (Wide Dynamic Range)	DWDR	DWDR	120dB	120dB	120dB	DWDR
Audio input/output	-	-	1/1	1/1	1/1	1/1
Storage	No	No	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB	Micro SD, up to 256GB
Dimensions (W x H)	109 x 81mm	109 x 81mm	108.5 x 81mm	125 x 43.7mm	148 x 111.3mm	215 x 344mm
Smart Function/AI	No	No	Intrusion detection, crossline detection, motion detection, face detection, audio detection, defocus, scene change, object abandon, object removal, people counting	Ultra wide angle lens, 180°panoramic image, Built-in omnidirectional microphone	Intrusion detection, crossline detection, motion detection, face detection, audio detection, defocus, scene change, object abandon, object removal, people counting, starlight illumination, built-in motorized lens for remote zoom	Intrusion detection, crossline detection, motion detection, face detection, audio detection, people counting, 22x optical zoom, electronic image stabilization

How it works?



NETWORK VIDEO RECORDER



NVR Specification

Optional accessories
WD Purple™
 Surveillance Hard
 Disk Drives
1TB | 2TB | 4TB



2MP recording time (estimated)

Hard disk capacity	4 channel	8 channel	16 channel
1TB	22 days	11 days	5 days
2TB	44 days	22 days	11 days
4TB	88 days	44 days	22 days

5MP recording time (estimated)

Hard disk capacity	4 channel	8 channel	16 channel
1TB	14 days	7 days	3 days
2TB	29 days	14 days	7 days
4TB	58 days	29 days	14 days

	MGI04031-P	MGI08031-P	MGI16032-P	MGI16032	MGI32034
Model					
Built-in POE	Yes	Yes	Yes	No	No
Channel Input	4-ch	8-ch	16-ch	16-ch	32-ch
Alarm input/output	-	4/1	4/1	8/2	16/4
HDD	1 SATA HDD up to 10 TB	1 SATA HDD up to 10 TB	2 SATA HDD up to 10TB	2 SATA HDD up to 10TB	4 SATA HDD up to 10TB
Incoming/Outgoing Bandwidth	40Mbps/ 40Mbps	60Mbps/ 64Mbps	112Mbps/ 96Mbps	160Mbps/ 320Mbps	320Mbps/ 320Mbps
Recording Resolution	Up to 2MP	Up to 8MP	Up to 8MP	Up to 12MP	Up to 12MP
Video input/output	2K HDMI & VGA	4K HDMI/ 2K VGA	4K HDMI/ 2K VGA	4K HDMI/ 2K VGA	4K HDMI/ 2K VGA
Audio input/output	-	1/1	1/1	1/1	1/1
Smart Function	-	VCA Detection/ Smart Search	VCA Detection/ Smart Search	VCA Detection/ Smart Search	VCA Detection/ Smart Search
Dimensions (WxDxH)	260mm x 240mm x 44mm	260mm x240mm x 47mm	380mm x 315mm x49mm	380mm x 315mm x46mm	440mm x 344mm x 44mm



MAG offer full **IP CCTV** system to cater for **residential, commercial** and **industrial application**.

MAG® | Ensuring Your
Peace of Mind.

Authorised Dealer: