Analogue HD Solutions 2MP / 4MP

TeleEye

Advance from SD to HD Quality the Easy Way

TeleEye has developed the contemporary 4MP Analogue HD (AHD) solutions into its AF Series product line. The AF Series now combines of AHD 2MP(1080p) / 4MP cameras and JN6 Series of AHD 2MP(1080p) / 4MP DVRs. A common problem experienced during the transition from SD to HD, is that often the whole surveillance system has to be overhauled. This process tends to cause extra costs and disruptions to the daily surveillance operations. Therefore, TeleEye 2MP / 4MP AHD Solutions are designed to overcome these problems.

Not only supporting videos at 2MP resolution, TeleEye AHD even further extends the video support at 4MP resolution, making it capable of backward compatibility with the SD and WD1 surveillance system. By just replacing the original SD cameras and recorders, users can easily upgrade their existing analogue systems to HD through a coaxial cable. This is the simplest way to progress from SD to HD. Meanwhile the same wiring can be used continuously for conveying crystal clear HD videos. TeleEye AHD solutions is an easy-to-use systems that users can just plug and play to complete the installation, therefore an IP set-up is not required. Moreover, there's no coding compression for front-end-data. TeleEye 2MP / 4MP AHD products are able to provide real-time viewing and high fidelity.

TeleEye AHD offers a complete solution which maintains the advantages of traditional analogue systems, upgrade the images to HD and incorporate TeleEye Video Management Software for a scalable solution to suit a diverse range of applications.

AHD

4MP

Analogue

Analogue HD Solutions 2MP / 4MP

AHD

Upgrade to Analogue HD

The Simplest Way to Advance to 2MP (1080p) / 4MP Video Surveillance

TeleEye AHD solutions provides a simple and hassle free procedure to upgrade from a SD to a 2MP (1080p) / 4MP surveillance system. With TeleEye Analogue solutions, all that is required to upgrade from SD to 2MP / 4MP is to replace the existing cameras and DVRs with the AF Series and JN6 Series. However, for certain cameras that are crucial in the current surveillance system which would be problematic to replace can also be retained. Additionally, the wiring of your current SD system does not need to be uprooted, so that users can continue to use their existing coaxial cables. Therefore, there is no inconvenience or delays to the daily surveillance operations throughout the switch to HD. The AHD DVRs are compatible with 4MP, 2MP and even SD cameras.

Long reached, Excellent Noise Immunity

TeleEye AHD systems use point to point transmission to secure a smooth and reliable image quality. TeleEye AHD 2MP / 4MP cameras can obtain a long-distance HD video transmission through a coaxial cable of up to 400m (2MP) and 200m (4MP); meanwhile IP cameras can only transmit videos to approximately 100m. These TeleEye AHD 2MP / 4MP cameras and DVRs can provide users with a solution that will allow them to monitor to a much greater distance. In comparison to traditional analogue products, TeleEye AHD products transmit images and videos at a superior quality and with minimal noise.

Instant Video Response

For absolute accuracy during video surveillance monitoring, it is crucial that there are no delays throughout the CCTV footage. With TeleEye AHD solutions, the front-end data does not require any form of coding compression for real time results and high fidelity, so there are minimal broken footages or delays in the results. The most precise performance is ensured, meaning operators do not miss out any details during surveillance and triggers prompt preventive actions. As the images are captured at a high resolution, they may be used as supporting evidence to assist in investigations if necessary.

Versatile Range of Video Management Software

TeleEye Analogue 2MP / 4MP products are all fully compatible with the revolutionary TeleEye Video management software, to provide a seamless yet customisable system which can be scaled up or down at any point in time. These include TeleEye sureSIGHT, an integrated video management platform. TeleEye sureGUARD which offers an end-to-end alarm management solution that also complies with the British Standard, BS8418. Last but not least, TeleEye iView HD which is designed for users to remotely monitor from any location conveniently. With the latest 4MP and 2MP AHD products and sophisticated software, TeleEye provides users with an absolute and simple solution from SD to HD surveillance.

Hybrid Solution for IP and Analogue Recording

The TeleEye JN6 Series of AHD 2MP / 4MP DVRs provide an alternative for users who are currently employing a mixture of analogue and IP cameras, but do not want to adopt different DVRs to record the images captured by cameras with different signal formats. These DVRs also provide an economical option for those who are considering a transition from analogue to IP at a later period in time.

AHD 2MP / 4MP Cameras

Common Features

- Day / Night 0.0 Lux (IR On)
- 4 Privacy Masks
- Wide Dynamic Range

- Coaxial / UTP Cables Distance Up to 400m (2MP) and 200m (4MP)
- OSD Menu, Multi-Languages
- IP66

- AHD & SD Switchable

HD / WD1 | **400m** | **Instant Response** | **Day / Night** | **IP66**

AF425
IR Vari-Focal Dome
- Vari-focal f=3.3-12mm
- 20-30M IR range
- Vandal resistance

AF431
IR Fixed Dome
- Fixed Lens f=2.8mm
- 10-20M IR range

AF461
IR Fixed Bullet
- Fixed Lens f=2.8mm
- 10-20M IR range

AF465
IR Vari-Focal Bullet
- Vari-focal f=3.3-12mm
- 20-30M IR range

4MP
1/3" 4MP CMOS sensor

2MP (1080p)
1/2.8" Sony CMOS sensor

Pan Tilt Zoom (PTZ) Cameras

AF5010
Mini Speed Dome
- f=5.1-51mm, 10x Optical Zoom
- Pan 0° - 360° with continuous rotation
- Control over Coaxial (CoC)

AF6132A
IR Speed Dome
- f=4.6-152mm, 33x Optical Zoom
- ~120m IR Range
- Control over Coaxial (CoC)

Static Cameras

AF284
IR Fixed Bullet
- f=3.6mm fixed lens
- 2 IR LEDs / ~20m IR Range

AF286
IR Vandal Resistant
- f=2.8-12mm vari-focal lens
- Auto IR-cut filter
- 24 IR LEDs / ~20m IR range
- Vandal Resistant

AF287
IR Vari-focal Bullet
- f=2.8-12mm vari-focal lens
- 2 IR LEDs / ~30m IR Range

AF294
IR Fixed Dome
- f=3.6mm fixed lens
- Auto IR-cut Filter
- 24 IR LEDs / ~15m IR Range

AF487M
IR Wateproof Bullet
- f=6-22mm Vari-focal lens
- 48 IR LEDs / ~50m IR Range

AF42M
IR Long Range Camera
- f=6-22mm Vari-focal lens
- 48 IR LEDs / ~80m IR Range
- 2 groups of hi-power LEDs

AHD IP Hybrid DVRs

Specifications

			2MP				4MP	
Model			JN6204B-S	JN6208B-S	JN6216B-S	JN6316-S	JN6408-S	JN6416-S
Video Input								
Analogue Camera			AHD (1080p), AHD (720p), PAL, NTSC				4MP, 3MP, 1080P, 720P, WD1	
No. of Channel			4	8	16	16	8	16
IP Camera			TeleEye MP, MQ Series				MP, MQ Series (4MP / 3MP / 1080P / 960P / 720P)	
No. of Channel			1		8	4	4	
Video Output								
Main	**Digital Video**		1 channel, 1920 x 1080				1 channel, 3840 x 2160, 1920 × 1080, 1280 × 1024	
	VGA		1 channel, 1920 x 1080				1 channel, 1920 × 1080, 1280 × 1024	
	BNC		CVBS				CVBS (used as spot output)	
Recording								
Mode			Manual, Schedule, Motion, Event-driven					
HD Type			SATA X 1 (Max. 6TB per HDD)	SATA X 2 (Max. 6TB per HDD)	SATA X 8 (Max. 6TB per HDD)		SATA X 2 (Max. 6TB per HDD)	
MAX. RECORDING RATE PER CHANNEL			1080p: 12 / 15fps 1080p lite: 25 / 30fps 720p: 25 / 30fps WD1: 25 / 30fps MP, MQ: 25 / 30fps			IPC 3MP: 12 / 15fps 1080p: 25 / 30fps 720p: 25 / 30fps AHD 1080p: 12 / 15fps 720p: 25 / 30 fps	4MP/ 3MP: 12 fps / 15 fps 1080P / 720P / WD1 : 25 fps / 30 fps MP, MQ: 25 / 30fps	
Playback			Play, forward, backward, pause, digital zoom					
Communication								
Network			RJ-45 10/100 base-T ethernet (auto sensing)			RJ-45 10/100/1000 base-T ethernet (auto sensing)	RJ45 10/100Mbps × 1	RJ45 10/100/1000Mbps × 1
Concurrent Users			5		6	10	5	10
Web Server			Built-in					
Telemetry Control			RS 485			RS 485 x 2	RS485 ×1, connect to PTZ or keyboard	
USB			USB2.0 x 2				USB2.0 × 1 (front panel), USB3.0 x 1 (rear panel)	
Audio								
Input			RCA X 4			RCA X 16	RCA X 4	
Output			RCA X 1				RCA X 1	
IP Camera Audio Input			1		8		4	
Event Handling								
Event Type			Video motion detection, External alarm, Video loss					
Action Type			Local recording, email notification, telemetry preset				Recording, Snap, Email, Preset	
External Alarm Input			4		4	16	4	
Relay Switch								
No. of Channel			1		1	4	1	
Power								
Voltage			12 VDC			ATX	12 VDC	
Max. Rating			5W (without HDD)	8W (without HDD)	15W (without HDD)	26W (without HDD), Max. 250W	15W (without HDD)	18W (without HDD)
Operating Environment								
Ambient Temperature			-10°C - 50°C					
Relative Humidity			10% - 90%					
Mechanical Design								
Dimension (mm)			300 (W) x 260 (D) x 52 (H)		380 (W) x 280 (D) x 52 (H)	430 (W) x 468(D) x 101 (H)	380 (W) x 280 (D) x 52 (H)	
Weight (kg)			1.08	1.16	1.58	10	1.58	

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