Q·DIS

AUTOMOTIVE
MULTIMEDIA SOLUTION
PROVIDER

KC   IAF INTERNATIONAL ACCREDITATION FORUM

Technology by ITI Co., Ltd

Change the Standard of CCTV Camera!

360 Degrees
Omni-directional IP Camera

5M Full HD Image

360 Degrees Omni-directional View

Provide Multi-divided Image

www.qdis.co.kr
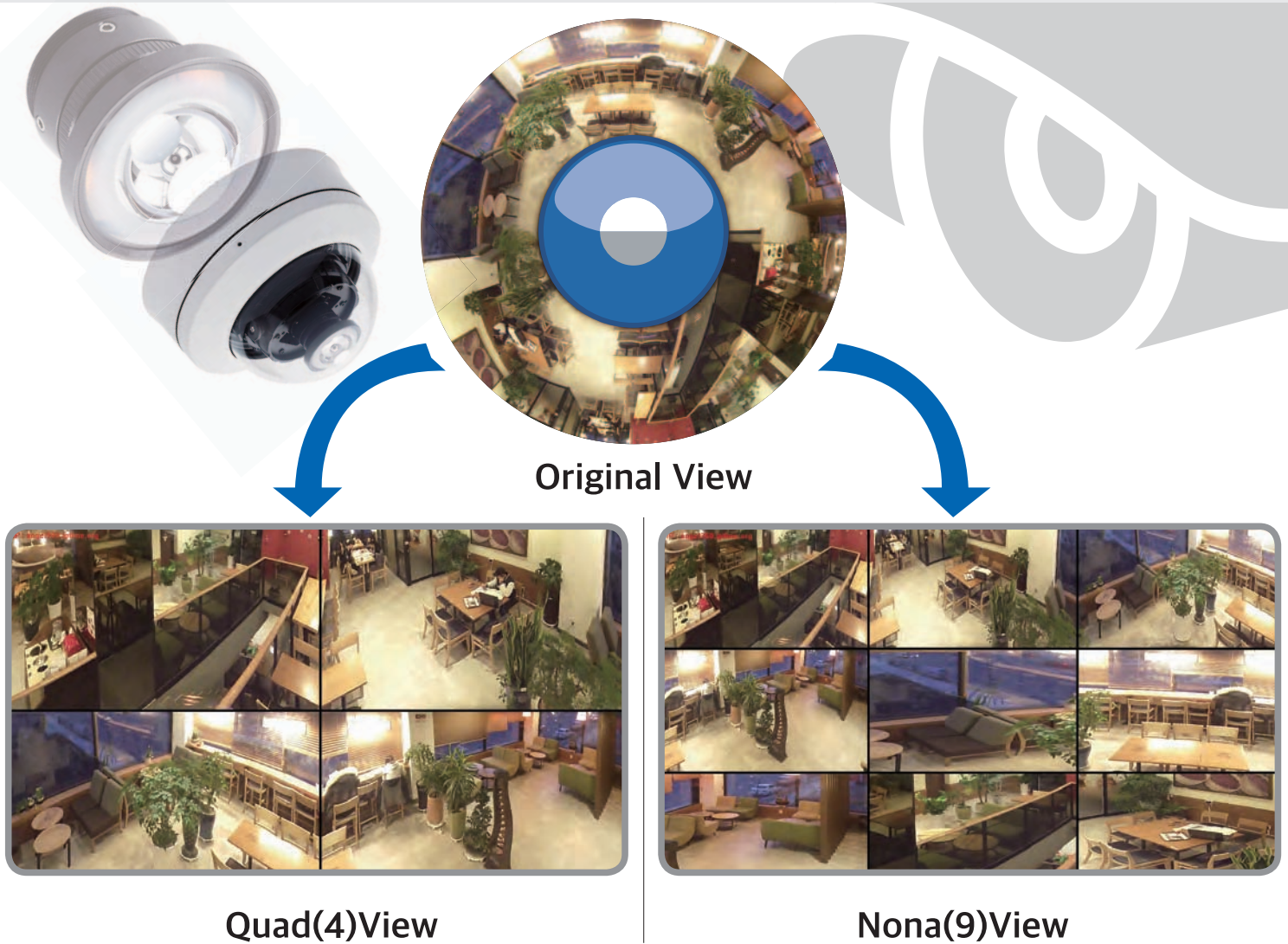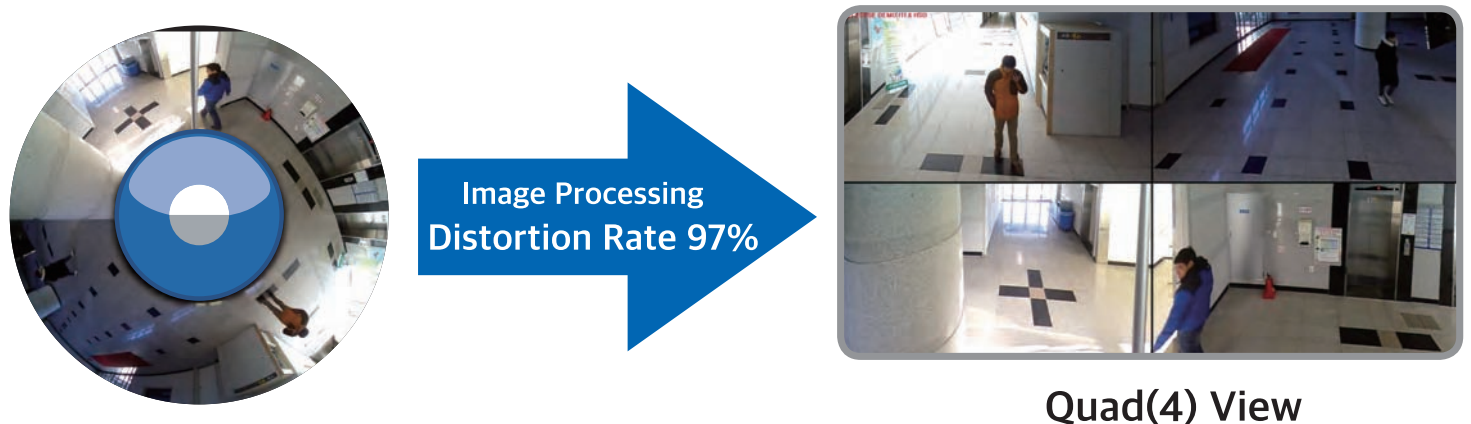
360 Degrees Omni-directional View

Original View

Quad(4)View

Nona(9)View

Image Processing Technology

Image Processing
Distortion Rate 97%

Quad(4) View

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Company History

2015
- 05 Merged with QDIS in May 2015
- 02 Selected as KT LED DIMMING SYSTEM

2014
- 10 "Optical R&D Center" established
- 10 "New Excellent Technology(N.E.T)" certified
- 08 "ISO9001, ISO14001" certified
- 07 "190° Car Rear View Camera" developed
- 06 "MOU" contracted with CHINA, EWHA Group for a local factory establishment
- 05 "MOU" contracted with TAIWAN, ADVANTECH for "360° dregeeomni-directional lens"
- 03 "Parking Control System and Method" registered as a patent
- 01 "C.E.S(Consumer Electronics Show Exibition)"in L.A, USA entered

2013
- 10 "CPSE 2013-CHINA URBAN SECURITY EXPO" in SHENZHEN, CHINA attended
- 10 "Sustainable Development Research Center", Chinese Academy of Severe of Interest established
- 07 "5MP(Mega Pixel) 360° degree omni-directional camera" KC certified

2012
- 12 "3MP(Mega Pixel) 360° degree omni-directional camera" developed & produced and KC certified
- 03 "1,000 sets of omni-directional camera(2MP) supply" contracted with a construction company
- 01 "3MP aspheric omni-directional optical lens" registered for a patent

2011
- 11 "PCT(Patent Cooporation Treaty)" applied for a patent towards 162 countries
- 09 "360° dregeeomni-directional parking guidance camera supply" contracted with "H" company

2010
- 04 "Factory establishment" registered
- 03 "Venture company"certified(No.201001017495)

2009
- 10 "Smart control system for apartment parking lot" co-development contracted
  with a major koreancontruction company
- 07 "Aspheric omni-directional optical lens" applied for a patent
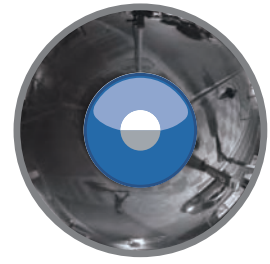- 04 "ITI Co.,Ltd" established

Patent & Certification

Indoor

Outdoor

Night

	Nature	Monitoring forest fires, River Management
	Industry	Safety Management For Industrial Facilities, Production Process Management
	Total Control	High Crime Locations, Military Base School Zone, Shopping Malls
	Traffic Management	Traffic Cross, Illegal Parking, Lane Violation
	Lighting Control Parking Management	Lighting Control, Parking Guidance, Car number Recognition, View without Blind Spot

Surveillance System

IP Surveillance System

2M PTZ   2M Box   2M Dome   360° Omni-directional

UTP Cable (RJ45)

HUB (PoE)

NVR

Internet

HDMI Cable

Monitor

Hybrid(IP + Analog) Surveillance System

Analog Cameras

Coaxial Cable (BNC)

Hybrid NVR

HDMI Cable

Remote PC

Remote Mobile
(3G, LTE)

Monitor

Q·DIS 360 degrees Omni-directional IP Camera

4 in 1 Effect!

5M Full HD Image

Provide Real-time Multi-Divided Image

Product List

360° Omni-directional / 5M

360° Omni-directional / 3M

IR Camera/ 2M / Indoor

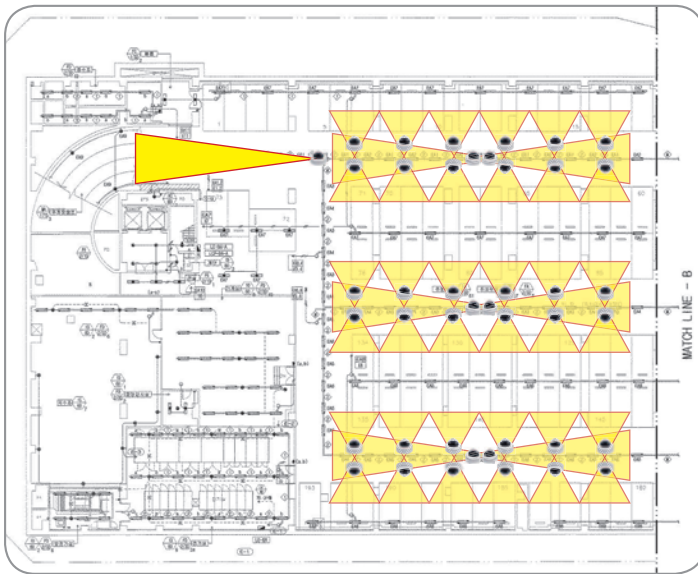IR Camera/ 2M / Outdoor(IP66)

PTZ(X20) IR Camera/ 2M / Outdoor(IP66)
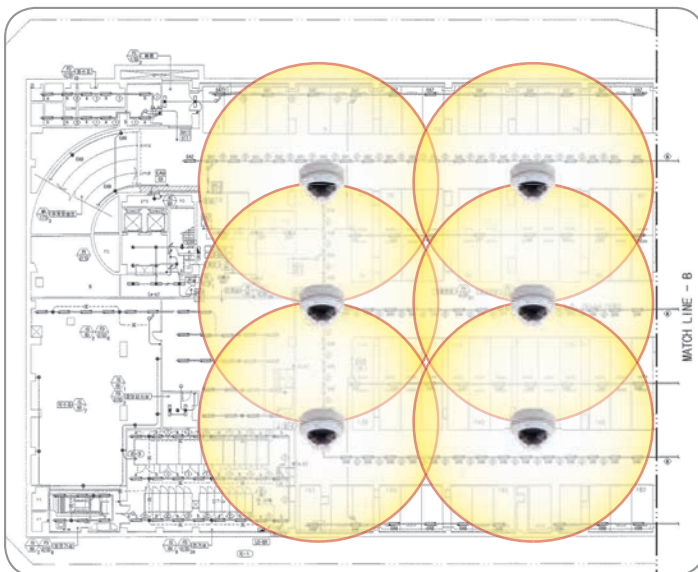
NVR 4Ch / 8Ch / 16Ch(Hybrid)

※The products listed above are subject to change without prior notice for quality improvement.

Q·DIS 360 degrees Omni-directional IP Camera

Parking Lot General Camera Design

- **Place : Underground Parking Lot**
- **Size : 1920㎡**
- **No of CCTV : 42**
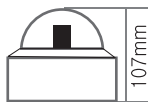- **Resolution : 2M**

Parking Lot 360 Degrees Omni-directional Camera Design

- **Place : Underground Parking Lot**
- **Size : 1920㎡**
- **No of CCTV : 6**
- **Resolution : 5M**

Item	No of CCTV	Resolution	NVR(8Ch)	Monitor	Man per day	Storage size per day	Maintenance cost
General Camera	42	2M	6	6	14	1,510 GB	High
360° Omni-directional camera	6	5M	1	1	2	380 GB	Low

360 Degrees Omni-directional Full HD IP Camera

150mm

107mm

Item		Specification
IMAGE	Image Sensor	1/2.5" Image Sensor
	Effective Pixels	5Megapixel (2592x1920)
	Day/night Covert	color 0.1Lux@F1.1, monochrome 0.01Lux@F1.1
LENS	Lens	PanoReflect Lens
	Focal Length (mm)	-1.473mm
	Aperture Ratio	F 2.0
	Angular Field of View	H : 0 ~ 360° / V : 35 ~ 85°
	Over all length(Ø × L)mm	38.4 × 37.9
OPERATION SPECIFICATION	Motion Detector	Video Motion Detector • Arbitrary window-size for all supported Megapixel resolution(e.g. 1080p30) –Up to 32 arbitrary-size windows • Independent threshold setting for each window –Sensitivity (0~100%) –Percentage (0~100%) • Hardwired Motion Detection Engine provides high accuracy with low system overhead.
	Backlight Compensation	Enable
	W.D.R	Enable
	Digital Zoom	4X Digital PTZ
	Contrast Improvement	Advanced Dynamic Contrast Enhancement
	Storage Interface	TF /SD storage expansion interface(need to have a SD memory card socket)-option
	View Mode	Original view / Quad View / nona View
NETWORK	Ethernet	Gigabit Ethernet over RJ45 with support for Power-over-Ethernet (802.3af PoE)
	Video Compression	H.264 codec, dual stream, AVI format record; 0.1M-6M bps bit rate(adjustable)
		H.264, MPEG4, MJPEG
	Video Output	2592×1920,2048×1536,1920×1080,1600×1200,1280×1024,1280×960, 1024×768,1280×720
	Lens Distortion Correction	Supports photometric and geometric correction • Support barrel & pin-cusion distortion correction
	Audio Interface	1 channel audio output, 2 Vp-p, 1000 ohms, support pickup input 1 channel audio output, 16 ohms, 30mw power output, support headphone or amplifier -option
	Analog Output	Analog video output, support CVBS standard, PAL / NTSC
	Edge Noise Reduction	General Gaussian Noise reduction • De-Impulse Noise • Edge Enhancement
	IP	IPv4, IPv6
ENVIRONMENTAL SPECIFICATIONS	Operating Temperature	-10°C ~ +55°C/ 90% RH
		DC 12V ±10%, PoE(IEEE802.3af.Class)
	Certifications	KC, FCC
	Dimensions(mm)	H : 1,070 x D : 1,500

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