Outdoor CCTV System

ArtPole
Made by ISON

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We Can Make The World
Safe And Comfortable

Our Company

- Develops better products through creative thinking.
- Provides the optimal solutions to extreme environment based on the work experience in diverse industries and in the Middle East.
- Has proved that our products demonstrate the innovative skills and diligence
- Will provide safe and convenient products moving forward.

CEO **Eung-Ug , Kim**

Research Center

Ourdoor CCTV Pole System

Contents

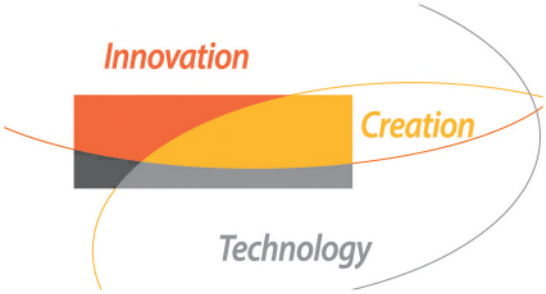
- CCTV Pole (Artpole)
- Artpole Garden
- Artpole General
- Artpole High Mast
- Artpole Havey Duty
- Artpole Tree
- Animal Camera

Artpole ?

Artpole is a trademark of ISON Co.,Ltd.

Elevating Artpole?

Outdoor CCTV is installed on a high pole to secure a wide field of view for purposes such as security, anti-crime , and traffic control in major facilities such as roads, beaches, and borders.
Since such CCTV is exposed and installed outside, frequent breakdown due to changes in the external environment occurs, which makes inspection and maintenance essential.
This is designed to conveniently inspect and repair cameras by installing a winch which ties orunties a wire in CCTV pole to have a camera moved down to a low place. Therefore, user doesn't need to go up to a high place where a camera pole is installed.
The ArtPole is a standard for the CCTV pole which is installed in an field irresponsible way, and we use the artpole to build safe and beautiful city.



안 Safety
전하고

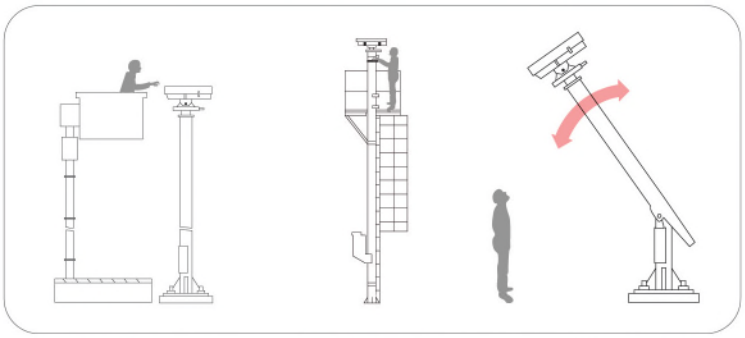
아 Beauty
름다운

도 City
시를 만들어 갑니다

Artpole

Improving Safety / Convenience / Aesthetics / Economics

Changes of CCTV Pole



Standard Type

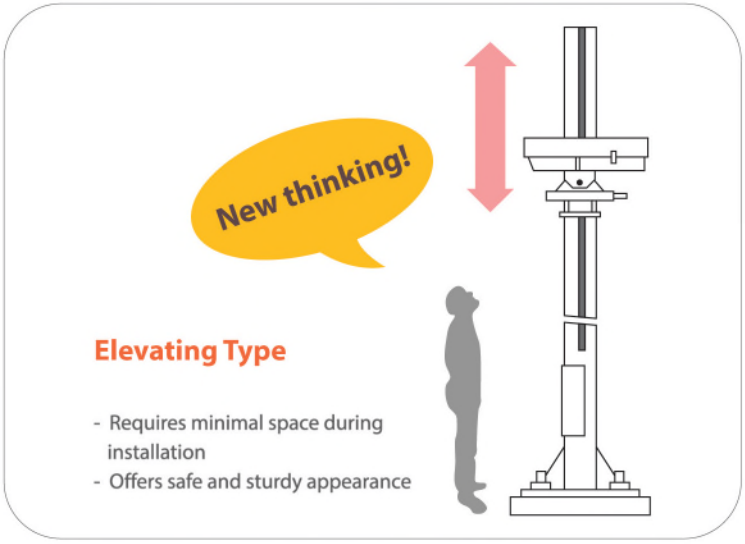
- Requires separate equipment for CCTV installation and maintenance
- Requires storage for relevant equipment

Ladder Type

- Requires manual climbing and perching in danger during maintenance
- Aesthetically unappealing

Hinge Type

- Requires wide and secure space
- Reduces the available space for swinging poles



Elevating Type

- Requires minimal space during installation
- Offers safe and sturdy appearance

Artpole Garden (4/5/6m)

Park / Company / Apartments / etc..

Artpole - Garden

Artpole Garden is a CCTV pole of innovative and unique designs. This product has been incorporated the most advanced smart technology in terms of users, in addition to the Artpole has been created eco-friendly design in harmony environment.

GOOD DESIGN
산업통상자원부선정

Artpole-Garden Specification

MODEL	APG-4M	APG-5M	APG-6M
Height	4M	5M	6M
Material	Steel 1.6t /2.0 Stain less Steel 1.2t (Option)		
Up/Down Device	Hand Winch (Electric Drill Available)		
Connector	Connector 16 Pin (Basic) - Option		
Painting	High Strength Powder Coating (Optional Color)		
Security Device	Door Lock Key With Special Socket		
Dimension	380mm (W) x 300mm (D)		

**Can be make to order except the standard (Banner Design, Colors etc...)

Artpole General (4/6/10m)

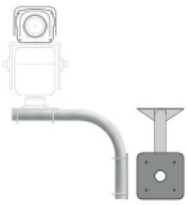
Industrial Facilities and Infrastructure security etc...

Artpole-General Specification

Model	AP -4Z	AP -6Z	AP -10Z
Height	4M	6M	10M
Pole Type	Octagon Taper Pole		
Up/Down Device	Hand Winch (Electric Drill Available)		
Connector	Connector 16 Pin (Basic) – Order Specification		
Security Device	Door LockKey		
Basic Wind Speed	Max 45m/sec		
Design Load	0.5㎡ / 50kg		
Max Deflection	<150mm @22m/s Wind Speed		
Material	ASTMA572 Gr 50		
Finish	Hot dip glvanizationper ASTMA123		
Dimension	200mm (W) x 200mm (D)–4t	200mm (W) x 200mm (D)-5t	

**Can be make to order except the standard (Pole height, Application Load, Connector, Camera Braket)

Artpole-General Braket Type



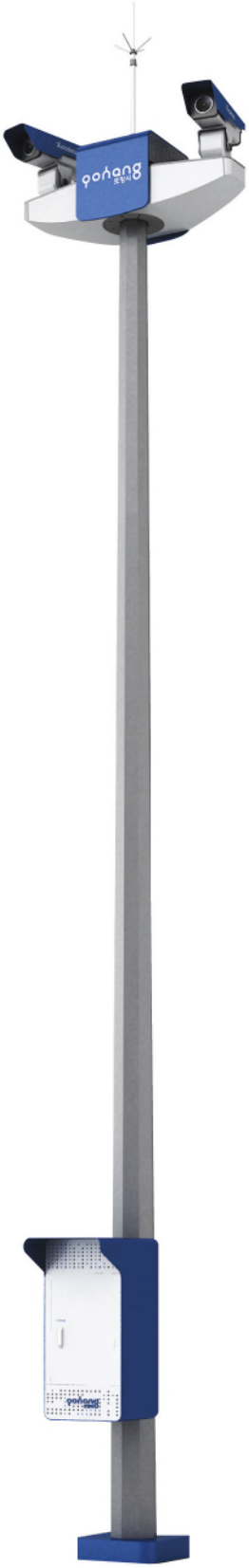
<Standard>

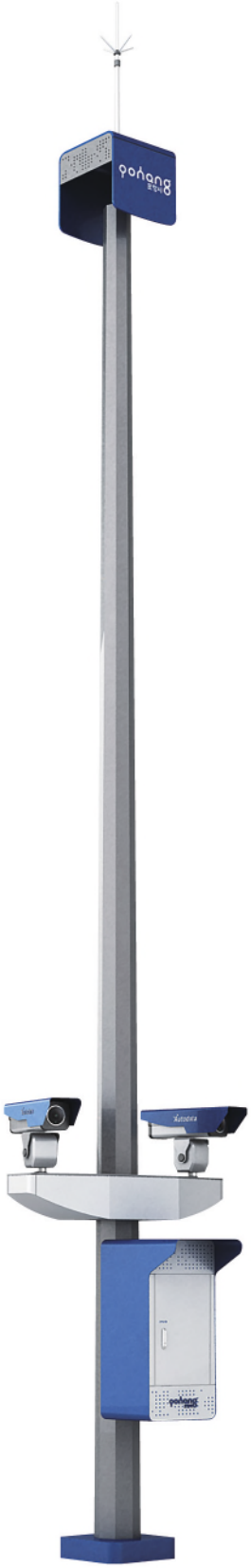
<Dome Camera Type>

<Lighting Type>

ArtpoleHigh Mast (12/20/30m)

Highways / Intersections / Airports / Harbors / Places of Interest





** Camera, Housing, Pantilt, Arreser is option

Artpole High Mast (12/20/30m)

Artpole High Mastma Specification

Model	APH-12Z	APH-20Z	APH-20Z
Height	12M	20M	30M
Pole Type	Octagon Taper Pole		
Up/Down Device	Motor Winch & Wire Rope		
Power	AC220V 1Ph, 300W		
Connector	Connector 16 Pin (Basic) – Order Specification		
Security Device	Door Lock Key, W/Remocon		
Basic Wind Speed	Max.60m/sec		
Design Load	0.7㎡ / 100kg		
Max Deflection	<150mm @22m/s Wind Speed		
Material	ASTM A572 Gr 65		
Finish	Hot dip glvanization per ASTM A123		
An	6–M24&850MM	8–M30&1200MM	12–M30&1200MM
Dimension	360mm (W) x 190mm (D)-6t (1pcs)	460mm (W) x 220mm (D)-6/4t (2pcs)	460mm (W) x 220mm (D)-10/8/6t (3pcs)

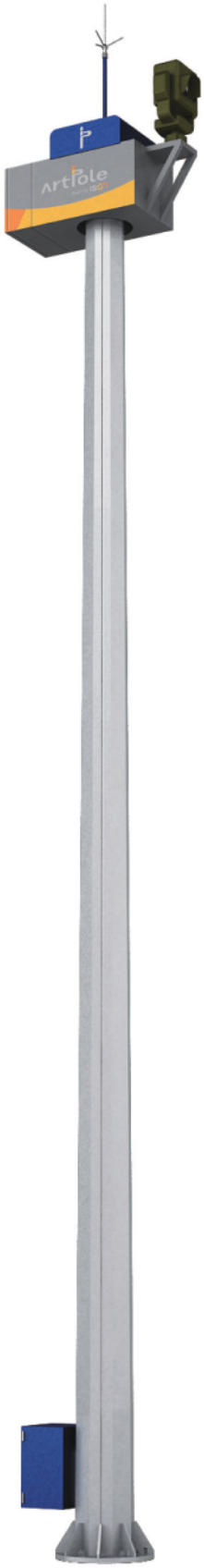
**Can be make to order except the standard (Pole height, Application Load, Connector, Camera Braket)

Artpole High Mast Applications

**Can be make to order the Base Braket Type

Artpole Heavy Duty (12/20m)

Coastal Surveillance , Borderline Surveillance etc...



Applicable

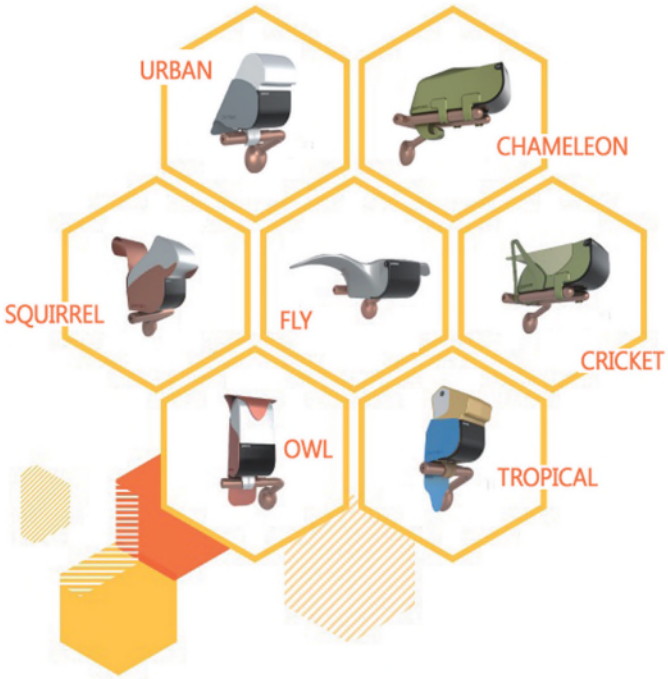
Artpole Havey Duty Specification

Model	APH-12ZM	APH-20ZM
Height	12M	20M
Pole Type	Octagon Taper Pole	
Up/Down Device	Motor Winch & Wire Rope	
Power	AC220V, 1Ph, 300W	
Connector	Connector 16 Pin (Basic) – Order Specification	
Security Device	Door Lock Key, W/Remocon	
Basic Wind Speed	Max. 60m/sec	
Design Load	0.7㎡ / 200kg	
Max Deflection	< 150mm @22m/s Wind Speed	
Material	ASTM A572 Gr 65	
Finish	Hot dip glvanization per ASTM A123	
An	6-M24&850MM	8-M30&1200MM
Dimension	460mm (W) x 220mm (D) -8t(1pcs)	460mm (W) x 220mm (D) -8/6t(2pcs)

Artpole Tree(3.5m)

Animal IR Camera - Parson

Animal IR Camera



Camera Specification

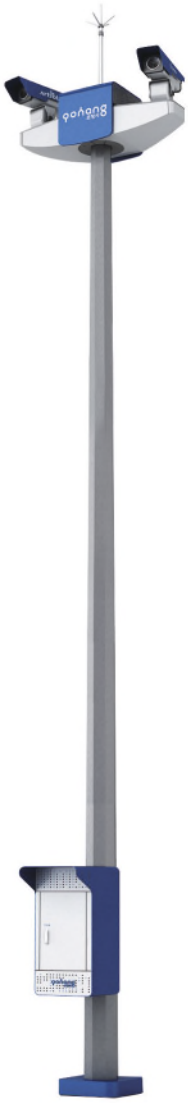
Catergory	Specification
Camera	2mpixel Cmos Intelligent IP camera
Lens	Varifocal Lens , 2.8~10mm f1.6
SoC	810MHz
Embedded	Embedded analytics ready
Protocals	IPv4, IPv6, HTTP, HTTPS, FTP, SMTP, NTP, DNS, local DynDNS, RTSP, UDP, TCP, DHCP, ONVIF
PoE	10/100 Ethernet
Local Memory	Micro SD slot(SD not included)
Video Compression	H.264
Codec	Mjpeg stream codec
Material	Alluminium
Portection	IP66
Windshield Glass	Anti- vandal
Temperature	-20~50℃

Artpole Tree Specification

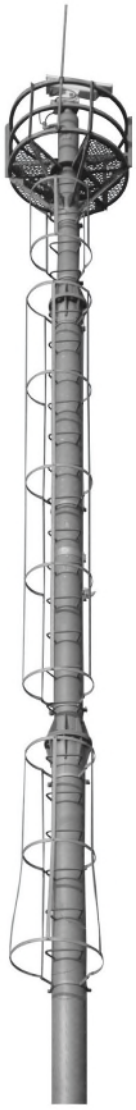
MODEL	APT-3.5S
Height	3.5M
Material	Stain less Steel Ø165.2 x 2.0t(Main)
	Stain less Steel Ø42.7 x 1.5t(Branch1)
	Stain less Steel Ø22.2 x 1.5t(Branch2)

Elevating pole

Comparison of Pole Characteristics



Elevating POLE (Artpole)	Criteria	Existing POLE
Easy and convenient installation or maintenance	Convenience	Camera can only be installed or maintained at the intended high elevation; difficult during heater summers of freezing winters
Risk reduction from weather conditions and high elevations by lowering the camera	Safety	Risk increase when falling from high elevation during installation or maintenance, especially during high winds
Simple aesthetic design	Aesthetics	Aesthetically unappealing due to irregular and complex appearance
Quick and convenient examination by lowering the camera	Usability	High cost of installation due to complex construction as well as time-consuming and inconvenient setup due to the climbing
Minimal installation space required	Installation space	Greater and wider installation area required
Cost-effectiveness increases with height	Price	Increased expenses due to structural bulk required to support human loads



Applications of Existing Pole

Complicated / Dangerous / Highly Costy

Elevating pole

Application

Artpole Garden

Park

Campany

Artpole General

Industrial Facilities

Infrastructure Security

Artpole High Mast

Highways

Intersections

Elevating pole

Application

Artpole High Mast

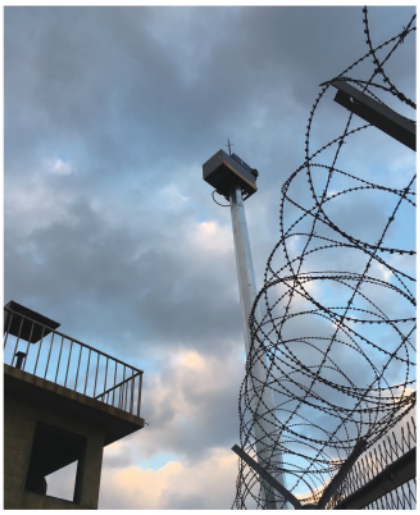
Coast

Beach

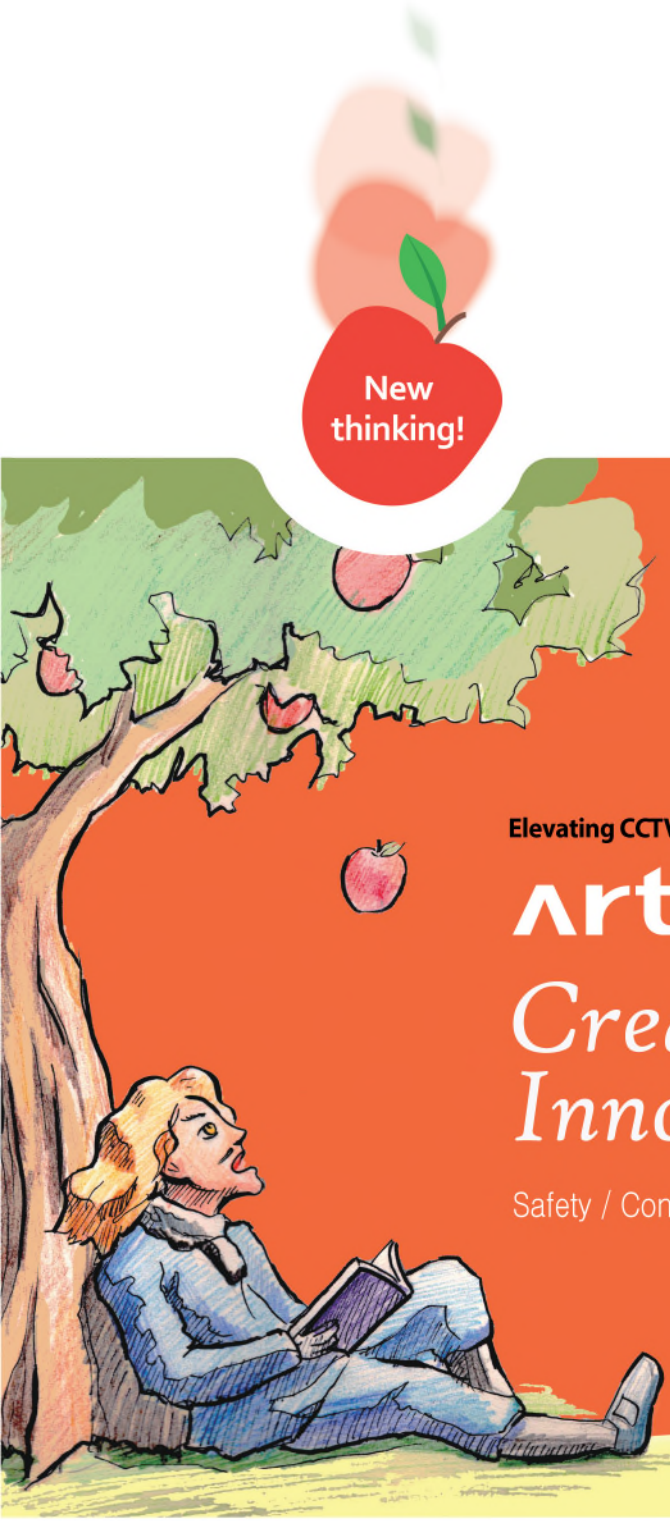
Lighting Pole

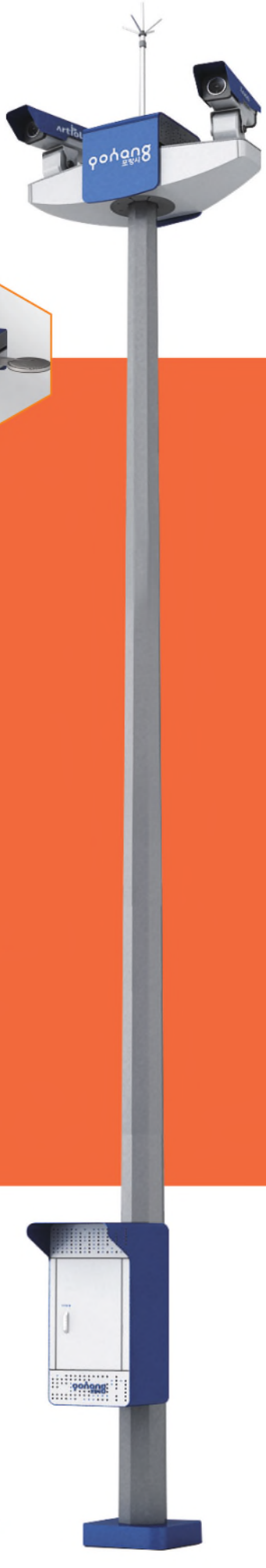
Artpole Heavy Duty

Coastal Surveillance 1



Coastal Surveillance 2





Elevating CCTV

ArtPole

Creation and *Innovaiton*

Safety / Convenience / Economics / Aesthetics

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GOOD DESIGN
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