



# Rapid Eye V550

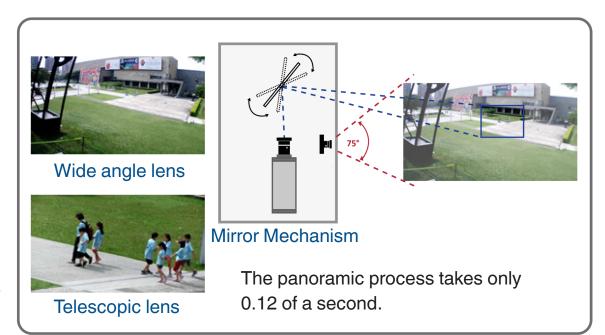
Active Tracking Surveillance System

## What is Rapid Eye?

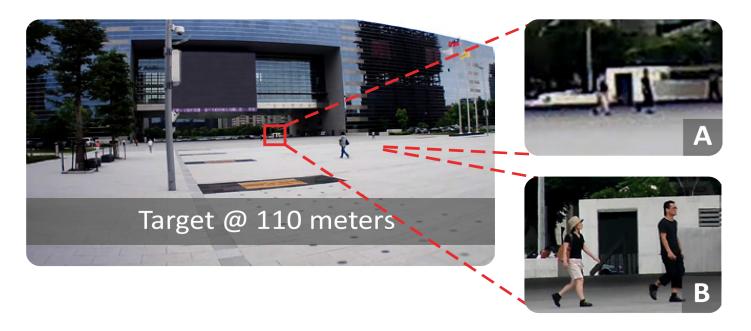
Rapid Eye is a tracking surveillance system with two cameras and a mirror mechanism design. The camera can cover a very large area (75°x110 meters) and provide crystal clear images (160 pixel/meter) at the same time, making it equivalent to a 470 Mega Pixel camera.

## **How Rapid Eye Works**

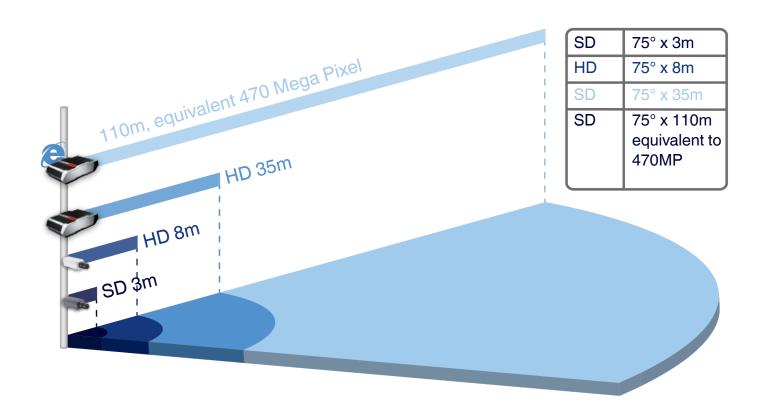
- (a) There are two cameras inside each Rapid Eye, a wide angle camera and a telescopic camera
- (b) The wide angle camera first takes the panoramic image.
- (c) Built-in DSP then analyzes the image and locates the targets.
- (d) The mirror rotates the telescopic camera to acquire detailed view of the target.



## Resolution Comparison



#### **Covered Area**



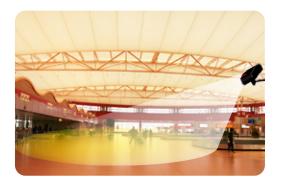


Cover 75° x 110m with 160 pixel/meter resolution Equivalent to 470 Mega Pixel

# **Application Cases**

- Airport
- Luxury Hotel
- Railway Station

- School
- Shopping Center
- Town Square











# Specifications



## **Rapid Eye**

- Full HD resolution
- Covers 75°x110m with 160 pixels/meter
- Equivalent 470 Mega Pixel

Number of Cameras	Two Full HD Network Cameras, one w/ fixed wide angle lens, one adjustable telescopic
Tracking Speed	Multiple targets tracking at 5 targets/second
Wide Angle Lens	4mm, 6mm, 8mm
Telescopic Lens	5~50mm Zoom
Tracking Mechanism	Mirror Reflecting Mechanism
Sensor	1/2.7" CMOS sensor in 1920 x 1080 resolution
Compression	H.264, MJPEG & MPEG-4
Frame Rates	H.264: Up to 30 fps at 1920 x 1080
	MPEG-4: Up to 30 fps at 1280 x 720; Up to 27 fps at 1920 x 1080
	MJPEG: Up to 30 fps at 1920 x 1080
Video Interface	BNC connector for video output
	NTSC/PAL video output switch
Network	10/100 Mbps Ethernet, RJ-45
Support Protocol	Onvif support
	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP,
	FTP, DHCP, NTP, DNS, DNSS, PPPoE, CoS, QoS, SNMP and 802.1x
On-board Storage	Sd/SDHC card slot
IR Module	High power infrared LED (8W)
IR Module Circuit Board	Aluminum PCB for fast heat dissipation
Heater	PTC Heater conductor
Construction	Aluminum casing with weather-proof coating
Operational Temperature	-20°C ~ +50°C (-4°F ~ +122°F)
Operational Humidity	10% ~ 75% RH
Storage Temperature	-40°C ~ +60°C (-40°F ~ +140°F)
Environmental Protection	IP 66
Dimension	442(W) x 140(H) x 277(D) mm (17.4 x 5.5 x 10.9 inches)
Weight	6.2Kgs
Power Supply	AC 100~240 1.3A or AC24V 4A